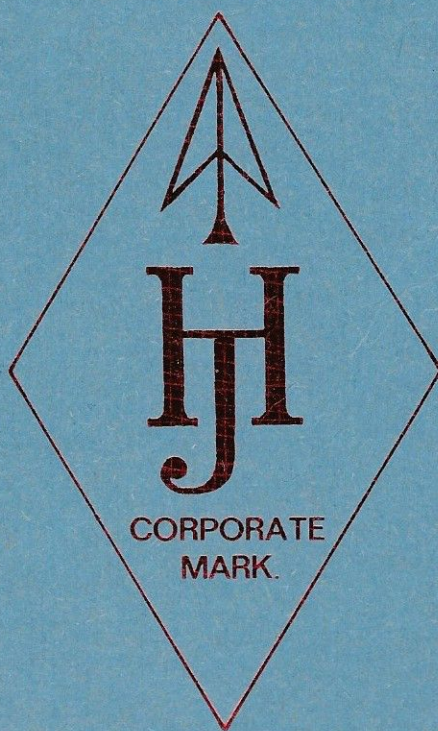


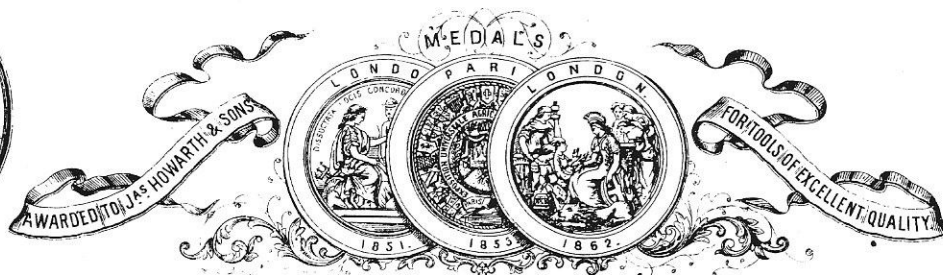
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£7.00

TOOL LIST



FOURTH ILLUSTRATED EDITION.



The above Corporate Mark granted and protected by the Cutlers' Company.

ESTABLISHED 1835.

JAMES HOWARTH & SONS,

BROOM SPRING TOOL, STEEL & FILE WORKS,

BATH-STREET BROOMHALL, & EYRE-STREET,

SHEFFIELD,

STEEL CONVERTERS & REFINERS,

MANUFACTURERS OF EVERY DESCRIPTION OF

CAST, SHEAR, BLISTER, MINING, SPRING & SHEET

STEEL,

EDGE TOOLS, JOINERS' TOOLS, FILES, HAMMERS, SAWS, SKATES, AUGERS, &c.

GENERAL MERCHANTS.

FIRST-CLASS PRIZE MEDALS AWARDED—

LONDON	1851.	{ SPECIAL MEDAL OF HONOUR SOCIETY OF ARTS	1856.
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ENTERED AT STATIONERS' HALL.

N.B.—Head Office: BROOMSPRING WORKS, SHEFFIELD, to which all communications should be addressed.

PREFACE.

WE have pleasure in presenting to our friends and customers this the Fourth Illustrated Edition of our Price List, which gives reliable quotations in the most convenient form for reference, compiled with great care and labour, and trust it will be appreciated and result in increased transactions.

OUR trade and connection have been built up by long and patient care, using for that purpose the very best Steel and other materials that can be produced, and manipulated by skilled labour, under close practical supervision and by the best appliances.

JUDICIOUS buyers know that value in Tools (rather than low prices) is cheapness, and that the trouble to workmen of constantly sharpening an inferior Tool is a loss of many times its cost. So much low priced Steel is now made, that Tool Makers are tempted to use it for Cutting Tools, which prove to be of little value.

THE Steel we use is our own make, and from the best brands of charcoal-made Swedish Irons. We refine our Cast Steel under experienced and careful management, and can insure the quality to produce the highest results.

THE File Department is rapidly increasing. Our Files are made from the best Crucible Cast Steel, and being skilfully cut by Hand only, and hardened with great care, will be found far more economical to the users than common, low priced files. We would caution our friends against the trash with which the markets are being glutted.

EVERY article of our manufacture is marked with our Name and Corporate Trade Mark as a guarantee of quality, which consists of the letters J & H in monogram, being the initials of our senior partner Mr. James Howarth, surmounted by the Arrow Head, to whom the Corporate Mark was originally granted, to imitate which is felony. Such Trade Mark is duly registered, and protected by the Sheffield and Hallamshire Cutlers' Company from infringement under the Acts 21st of James the First, 1624, and subsequent Acts of 1791, 1801, 1814, 1860, and by the Trades Marks Registration Act of 1875.

JURORS of all the International Exhibitions at which our manufactures have been shown have awarded to us their Highest Medals for Tools, viz.:—London, 1851; Paris, 1855; and London, 1862; and we were the only Sheffield Tool House to whom the Society for the encouragement of Arts and Industry (founded in London, 1851) awarded their "Special Medal of Honour" for the Superiority of Tools of various descriptions exhibited at the Exposition Universelle Paris, 1855, along with their Diploma and Title of Honorary Vice President to our Mr. James Howarth.

OUR Senior Partner has been practically connected with the Tool Trade of Sheffield for the last sixty years, and commenced business on his own account in the year 1835; he still gives attention to the practical part of the business, aided by his five sons, who are all in partnership with him, the two youngest having entered the partnership from the 1st of July last. The large stock of goods we keep, together with quick despatch, we feel sure will enable us to hold our own with any house in the home or foreign markets in the race of honourable competition.

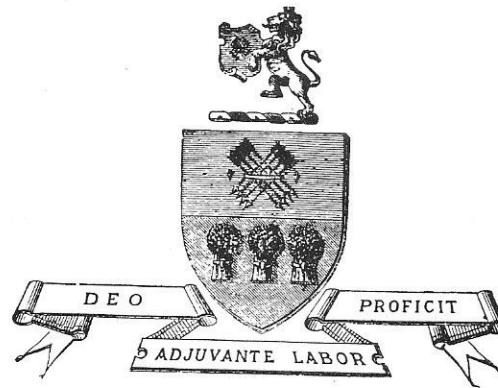
THE firm will in the future as in the past aim to increase the reputation made for our brand of goods, and thus maintain the character of the house for High-class Steel Goods, for which, by the skilled labour and local natural advantages, our native town has been so long and justly famous.

We are, yours most respectfully,

JAMES HOWARTH & SONS.

Broomspring Works, Bath Street, Sheffield,

March, 1884.



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1

In consequence of considerable advances both in Wages and Materials, it was unanimously resolved at a General Meeting of Edge Tool Manufacturers, held at the Cutlers' Hall, Sheffield, on the 25th June, 1872, that the following List of Prices be adopted by the Trade from the 1st of July, 1872.—J. H. & SONS.

N.B.—Throughout this List, French Measures are computed as under:—

Inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$	2	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{8}$	2 $\frac{1}{2}$	2 $\frac{5}{8}$	2 $\frac{3}{4}$	3					
French Lignes..	2	2 $\frac{1}{2}$ -3	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5-5 $\frac{1}{2}$	6	7	8-9	10	11	12-13	14	15-16	17	18	19-20	21	22	23-24	25-26	27	28	29-30	31	32	33-34

C.S. PLANE IRONS (Various).

[illegible]

PLANE IRONS (Common).

[illegible]

Common Double Irons, fitted with Common Tops, 1/6 per doz. less; ditto, if glazed Tops, 9d. per doz. extra.

Skew Plane Irons, 1/ per dozen extra to Plane. Skew Double, 2/6 per dozen extra to Double.

Hollow Nose Plane Irons, 2/ per dozen extra. Hollow Nose Double Plane Irons, 5/ per dozen extra. Long Screw German Pattern Double Irons, 7/6 per dozen extra. All Irons above 3 inches, same price as Coopers' Jointers.

27C	Common Bookbinders' Plough Knives, 17/6 per dozen.	27	Best Cast Steel, 20/6 per dozen, with Square Hole.
-----	--	----	--

29 Long Narrow Scotch Slide Bookbinders' Knives, Solid Cast Steel, 18/ per dozen.

	5	5½	6	6½	7 inches.			8	9	10 inches
Warranted Cast Steel Round Bookbinders' Knives....	25/	27/	31/	37/	43/ per doz.	|	Draw Borers	13/	14/	15/ per dozen

COOPERS' JOINTER IRONS.

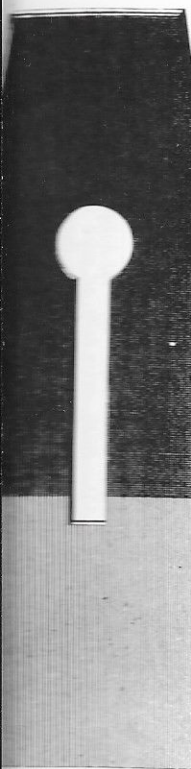
		3	3 $\frac{1}{8}$	3 $\frac{1}{4}$	3 $\frac{3}{8}$	3 $\frac{1}{2}$	3 $\frac{5}{8}$	3 $\frac{3}{4}$	3 $\frac{7}{8}$	4	4 $\frac{1}{8}$	4 $\frac{1}{4}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$	5	inches
608	German Steel Coopers' Jointer Plane Irons, 10 in. long..	24/	25/	26/	27/6	29/	30/6	32/	34/	36/	38/	39/6	43/	47/	50/6	per dozen
608 $\frac{1}{2}$	" " " "	25/	26/	27/	29/6	31/6	34/	36/	37/6	38/6	40/6	42/	46/	50/6	55/6	"
608 $\frac{3}{4}$	" " " "	27/	28/	29/	31/6	34/	37/	40/	42/	43/6	46/	48/	54/	59/6	64/6	"
156	Cast Steel " " "	28/	29/	30/	31/6	33/	34/6	36/	38/	41/	43/	44/6	48/	53/	56/6	"
156 $\frac{1}{2}$	" " " "	29/	30/	31/	33/6	35/6	38/	40/	41/6	43/6	45/6	47/	51/	56/6	61/6	"
156 $\frac{3}{4}$	" " " "	31/	32/	33/	35/6	38/	41/	44/	46/	48/6	50/	53/	59/	65/6	70/6	"
609	German Steel Double " " "	48/	50/	52/	55/	58/	61/	64/	68/	72/	76/	79/	86/	94/	101/	"
609 $\frac{1}{2}$	" " " "	50/	52/	54/	59/	63/	68/	72/	75/	79/	81/	84/	92/	101/	111/	"
609 $\frac{3}{4}$	" " " "	52/	54/	56/	61/6	65/6	71/	76/	79/6	84/	86/6	90/	100/	110/	120/	"
157	Cast Steel Double " " "	53/	55/	57/	60/	63/	66/	69/	73/	78/	82/	85/	92/	101/	108/	"
157 $\frac{1}{2}$	" " " "	55/	57/	59/	64/	68/	73/	77/	80/	85/	87/	90/	98/	108/	118/	"
157 $\frac{3}{4}$	" " " "	57/	59/	61/	65/6	70/6	76/	81/	84/6	90/	92/6	96/	106/	117/	127/	"

All Coopers' Single Jointer Irons, if Cut, 2/ per dozen extra. Coopers' Swift, Downwright, and Skew Topping Plane Irons to order.

	3	3½	3¾	3¾	4	4½	4¾	4¾	5	inches
G.S. Coopers' SPANISH SNECK JOINTER PLANE IRONS, 21 in. long....	38/	40/	45/	50/	57/	64/	69/	74/	79/	per dozen

LIGHT EDGE TOOLS—Plane Irons, &c.

1

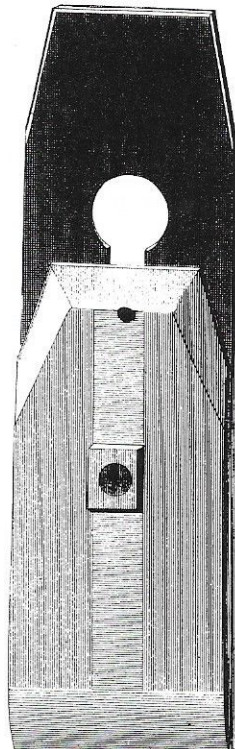


No. 1 C.S. Cut No. 6 G.S. Cut No. 4 C.S. Cut Parallel

No. 1 Cut Plane Iron

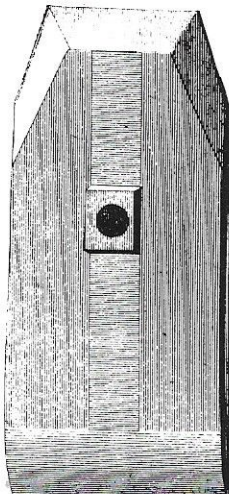


No. 1 No. 4

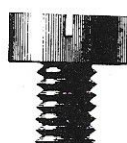


No. 2 C.S. Double Plane Iron No. 3 Round, Brass Nuts

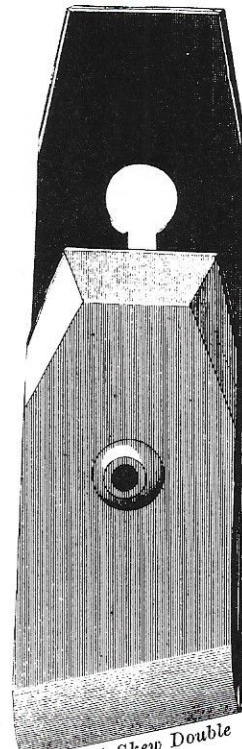
No. 2



C.S. Top Iron
No. 8 Rd., Brass Nuts
No. 7 Sqr., Iron Nuts



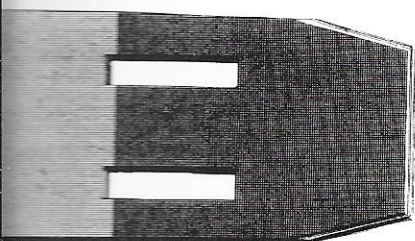
With Screws,
complete



No. 11 Skew Double
Badger Iron



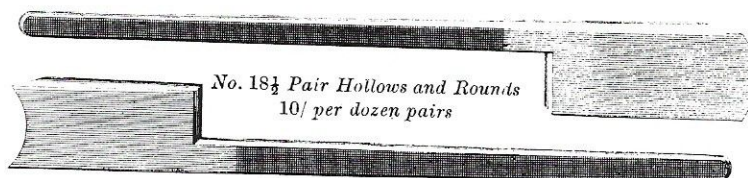
No. 9 G.S. Tooth Iron
9B C.S.



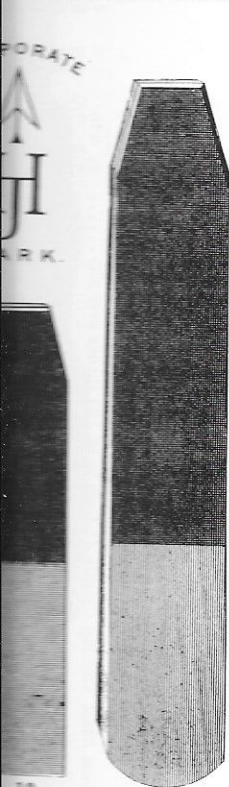
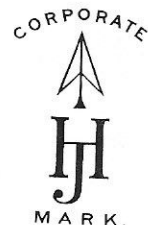
24B Wheelers' Rounder Iron



23 1/2 Dado Teeth



No. 18 1/2 Pair Hollows and Rounds
10/ per dozen pairs



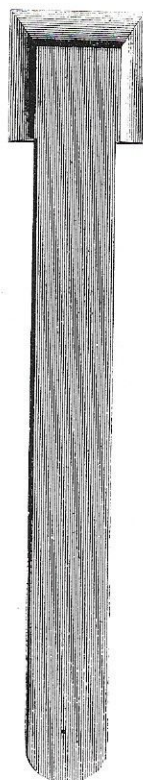
Round or Square
1P C.S. 6P Com. Glass Cheek Iron



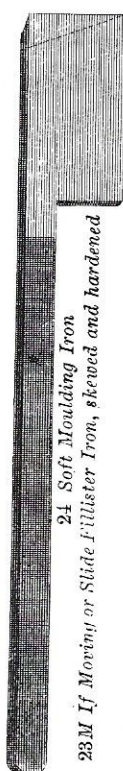
No. 19, 12/



No. 21 Best
Plough Bit



No. 15 to 17



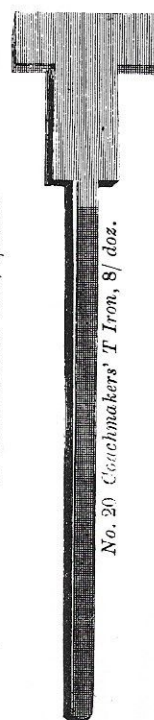
24 Soft Moulding Iron
23M If Moving or Slide Filler Iron, skewed and hardened



Rabbit Iron 25 Square 26 Skew



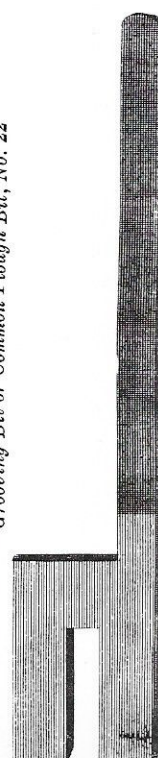
23 Sash Filler Iron, 5/8 doz.



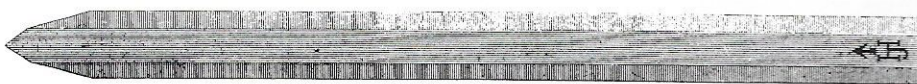
No. 20 Coachmakers' T Iron, 8/ doz.



Grooving Bit or Common Plough Bit, No. 22



18 Grooving Irons, in pairs



29 C.S. Bookbinders' Scotch Plough Knife

CHISELS AND GOUGES (Solid Cast Steel).

[illegible]

CHISELS & GOUGES in Sets.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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Cast Steel Firmer Chisels, in Sets of 12, assorted	5/8	6/3	7/	8/	9/4 doz.
"	6/9	7/6	8/3	9/6	11/
"	"	"	"	"	"
" Strong Firmer Chisels	"	7/	8/9	10/	11/9
"	"	"	"	"	"
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"	"	"	"	"	"

COACH, MILL & LONG PARING CHISELS & GOUGES.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Cast Steel COACHMAKERS' CHISELS (1 inch to be 8 inch up to Bolster) ..	7/3	7/3	7/6	8/	9/6	10/6	11/9	13/3	15/9	18/	19/6	21/	23/3	25/6	28/9	32/	35/6	38/	41/6	45/	48/6	52/	55/6	58/9	62/	65/6	68/9	72/	75/6	78/9	82/	85/6	88/9	92/	95/6	98/9	102/	105/6	108/9	112/	115/6	118/9	122/	125/6	128/9	132/	135/6	138/9	142/	145/6	148/9	152/	155/6	158/9	162/	165/6	168/9	172/	175/6	178/9	182/	185/6	188/9	192/	195/6	198/9	202/	205/6	208/9	212/	215/6	218/9	222/	225/6	228/9	232/	235/6	238/9	242/	245/6	248/9	252/	255/6	258/9	262/	265/6	268/9	272/	275/6	278/9	282/	285/6	288/9	292/	295/6	298/9	302/	305/6	308/9	312/	315/6	318/9	322/	325/6	328/9	332/	335/6	338/9	342/	345/6	348/9	352/	355/6	358/9	362/	365/6	368/9	372/	375/6	378/9	382/	385/6	388/9	392/	395/6	398/9	402/	405/6	408/9	412/	415/6	418/9	422/	425/6	428/9	432/	435/6	438/9	442/	445/6	448/9	452/	455/6	458/9	462/	465/6	468/9	472/	475/6	478/9	482/	485/6	488/9	492/	495/6	498/9	502/	505/6	508/9	512/	515/6	518/9	522/	525/6	528/9	532/	535/6	538/9	542/	545/6	548/9	552/	555/6	558/9	562/	565/6	568/9	572/	575/6	578/9	582/	585/6	588/9	592/	595/6	598/9	602/	605/6	608/9	612/	615/6	618/9	622/	625/6	628/9	632/	635/6	638/9	642/	645/6	648/9	652/	655/6	658/9	662/	665/6	668/9	672/	675/6	678/9	682/	685/6	688/9	692/	695/6	698/9	702/	705/6	708/9	712/	715/6	718/9	722/	725/6	728/9	732/	735/6	738/9	742/	745/6	748/9	752/	755/6	758/9	762/	765/6	768/9	772/	775/6	778/9	782/	785/6	788/9	792/	795/6	798/9	802/	805/6	808/9	812/	815/6	818/9	822/	825/6	828/9	832/	835/6	838/9	842/	845/6	848/9	852/	855/6	858/9	862/	865/6	868/9	872/	875/6	878/9	882/	885/6	888/9	892/	895/6	898/9	902/	905/6	908/9	912/	915/6	918/9	922/	925/6	928/9	932/	935/6	938/9	942/	945/6	948/9	952/	955/6	958/9	962/	965/6	968/9	972/	975/6	978/9	982/	985/6	988/9	992/	995/6	998/9	1002/	1005/6	1008/9	1012/	1015/6	1018/9	1022/	1025/6	1028/9	1032/	1035/6	1038/9	1042/	1045/6	1048/9	1052/	1055/6	1058/9	1062/	1065/6	1068/9	1072/	1075/6	1078/9	1082/	1085/6	1088/9	1092/	1095/6	1098/9	1102/	1105/6	1108/9	1112/	1115/6	1118/9	1122/	1125/6	1128/9	1132/	1135/6	1138/9	1142/	1145/6	1148/9	1152/	1155/6	1158/9	1162/	1165/6	1168/9	1172/	1175/6	1178/9	1182/	1185/6	1188/9	1192/	1195/6	1198/9	1202/	1205/6	1208/9	1212/	1215/6	1218/9	1222/	1225/6	1228/9	1232/	1235/6	1238/9	1242/	1245/6	1248/9	1252/	1255/6	1258/9	1262/	1265/6	1268/9	1272/	1275/6	1278/9	1282/	1285/6	1288/9	1292/	1295/6	1298/9	1302/	1305/6	1308/9	1312/	1315/6	1318/9	1322/	1325/6	1328/9	1332/	1335/6	1338/9	1342/	1345/6	1348/9	1352/	1355/6	1358/9	1362/	1365/6	1368/9	1372/	1375/6	1378/9	1382/	1385/6	1388/9	1392/	1395/6	1398/9	1402/	1405/6	1408/9	1412/	1415/6	1418/9	1422/	1425/6	1428/9	1432/	1435/6	1438/9	1442/	1445/6	1448/9	1452/	1455/6	1458/9	1462/	1465/6	1468/9	1472/	1475/6	1478/9	1482/	1485/6	1488/9	1492/	1495/6	1498/9	1502/	1505/6	1508/9	1512/	1515/6	1518/9	1522/	1525/6	1528/9	1532/	1535/6	1538/9	1542/	1545/6	1548/9	1552/	1555/6	1558/9	1562/	1565/6	1568/9	1572/	1575/6	1578/9	1582/	1585/6	1588/9	1592/	1595/6	1598/9	1602/	1605/6	1608/9	1612/	1615/6	1618/9	1622/	1625/6	1628/9	1632/	1635/6	1638/9	1642/	1645/6	1648/9	1652/	1655/6	1658/9	1662/	1665/6	1668/9	1672/	1675/6	1678/9	1682/	1685/6	1688/9	1692/	1695/6	1698/9	1702/	1705/6	1708/9	1712/	1715/6	1718/9	1722/	1725/6	1728/9	1732/	1735/6	1738/9	1742/	1745/6	1748/9	1752/	1755/6	1758/9	1762/	1765/6	1768/9	1772/	1775/6	1778/9	1782/	1785/6	1788/9	1792/	1795/6	1798/9	1802/	1805/6	1808/9	1812/	1815/6	1818/9	1822/	1825/6	1828/9	1832/	1835/6	1838/9	1842/	1845/6	1848/9	1852/	1855/6	1858/9	1862/	1865/6	1868/9	1872/	1875/6	1878/9	1882/	1885/6	1888/9	1892/	1895/6	1898/9	1902/	1905/6	1908/9	1912/	1915/6	1918/9	1922/	1925/6	1928/9	1932/	1935/6	1938/9	1942/	1945/6	1948/9	1952/	1955/6	1958/9	1962/	1965/6	1968/9	1972/	1975/6	1978/9	1982/	1985/6	1988/9	1992/	1995/6	1998/9	2002/	2005/6	2008/9	2012/	2015/6	2018/9	2022/	2025/6	2028/9	2032/	2035/6	2038/9	2042/	2045/6	2048/9	2052/	2055/6	2058/9	2062/	2065/6	2068/9	2072/	2075/6	2078/9	2082/	2085/6	2088/9	2092/	2095/6	2098/9	2102/	2105/6	2108/9	2112/	2115/6	2118/9	2122/	2125/6	2128/9	2132/	2135/6	2138/9	2142/	2145/6	2148/9	2152/	2155/6	2158/9	2162/	2165/6	2168/9	2172/	2175/6	2178/9	2182/	2185/6	2188/9	2192/	2195/6	2198/9	2202/	2205/6	2208/9	2212/	2215/6	2218/9	2222/	2225/6	2228/9	2232/	2235/6	2238/9	2242/	2245/6	2248/9	2252/	2255/6	2258/9	2262/	2265/6	2268/9	2272/	2275/6	2278/9	2282/	2285/6	2288/9	2292/	2295/6	2298/9	2302/	2305/6	2308/9	2312/	2315/6	2318/9	2322/	2325/6	2328/9	2332/	2335/6	2338/9	2342/	2345/6	2348/9	2352/	2355/6	2358/9	2362/	2365/6	2368/9	2372/	2375/6	2378/9	2382/	2385/6	2388/9	2392/	2395/6	2398/9	2402/	2405/6	2408/9	2412/	2415/6	2418/9	2422/	2425/6	2428/9	2432/	2435/6	2438/9	2442/	2445/6	2448/9	2452/	2455/6	2458/9	2462/	2465/6	2468/9	2472/	2475/6	2478/9	2482/	2485/6	2488/9	2492/	2495/6	2498/9	2502/	2505/6	2508/9	2512/	2515/6	2518/9	2522/	2525/6	2528/9	2532/	2535/6	2538/9	2542/	2545/6	2548/9	2552/	2555/6	2558/9	2562/	2565/6	2568/9	2572/	2575/6	2578/9	2582/	2585/6	2588/9	2592/	2595/6	2598/9	2602/	2605/6	2608/9	2612/	2615/6	2618/9	2622/	2625/6	2628/9	2632/	2635/6	2638/9	2642/	2645/6	2648/9	2652/	2655/6	2658/9	2662/	2665/6	2668/9	2672/	2675/6	2678/9	2682/	2685/6	2688/9	2692/	2695/6	2698/9	2702/	2705/6	2708/9	2712/	2715/6	2718/9	2722/	2725/6	2728/9	2732/	2735/6	2738/9	2742/	2745/6	2748/9	2752/	2755/6	2758/9	2762/	2765/6	2768/9	2772/	2775/6	2778/9	2782/	2785/6	2788/9	2792/	2795/6	2798/9	2802/	2805/6	2808/9	2812/	2815/6	2818/9	2822/	2825/6	2828/9	2832/	2835/6	2838/9	2842/	2845/6	2848/9	2852/	2855/6	2858/9	2862/	2865/6	2868/9	2872/	2875/6	2878/9	2882/	2885/6	2888/9	2892/	2895/6	2898/9	2902/	2905/6	2908/9	2912/	2915/6	2918/9	2922/	2925/6	2928/9	2932/	2935/6	2938/9	2942/	2945/6	2948/9	2952/	2955/6	2958/9	2962/	2965/6	2968/9	2972/	2975/6	2978/9	2982/	2985/6	2988/9	2992/	2995/6	2998/9	3002/	3005/6	3008/9	3012/	3015/6	3018/9	3022/	3025/6	3028/9	3032/	3035/6	3038/9	3042/	3045/6	3048/9	3052/	3055/6	3058/9	3062/	3065/6	3068/9	3072/	3075/6	3078/9	3082/	3085/6	3088/9	3092/	3095/6	3098/9	3102/	3105/6	3108/9	3112/	3115/6	3118/9	3122/	3125/6	3128/9	3132/	3135/6	3138/9	3142/	3145/6	3148/9	3152/	3155/6	3158/9	3162/	3165/6	3168/9	3172/	3175/6	3178/9	3182/	3185/6	3188/9	3192/	3195/6	3198/9	3202/	3205/6	3208/9	3212/	3215/6	3218/9	3222/	3225/6	3228/9	3232/	3235/6	3238/9	3242/	3245/6	3248/9	3252/	3255/6	3258/9	3262/	3265/6	3268/9	3272/	3275/6	3278/9	3282/	3285/6	3288/9	3292/	3295/6	3298/9	3302/	3305/6	3308/9	3312/	3315/6	3318/9	3322/	3325/6	3328/9	3332/	3335/6	3338/9	3342/	3345/6	3348/9	3352/	3355/6	3358/9	3362/	3365/6	3368/9	3372/	3375/6	3378/9	3382/	3385/6	3388/9	3392/	3395/6	3398/9	3402/	3405/6	3408/9	3412/	3415/6	3418/9	3422/	3425/6	3428/9	3432/	3435/6	3438/9	3442/	3445/6	3448/9	3452/	3455/6	3458/9	3462/	3465/6	3468/9	3472/	3475/6	3478/9	3482/	3485/6	3488/9	3492/	3495/6	3498/9	3502/	3505/6	3508/9	3512/	3515/6	3518/9	3522/	3525/6	3528/9	3532/	3535/6	3538/9	3542/	3545/6	3548/9	3552/	3555/6	3558/9	3562/	3565/6	3568/9	3572/	3575/6	3578/9	3582/	3585/6	3588/9	3592/	3595/6	3598/9	3602/	3605/6	3608/9	3612/	3615/6	3618/9	3622/	3625/6	3628/9	3632/	3635/6	3638/9	3642/	3645/6	3648/9	3652/	3655/6	3658/9	3662/	3665/6	3668/9	3672/	3675/6	3678/9	3682/	3685/6	3688/9	3692/	3695/6	3698/9	3702/	3705/6	3708/9	3712/	3715/6	3718/9	3722/	3725/6	3728/

HANDLED FIRMER & LONG PARING CHISELS (with Best London Handles).

	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6	6 1/4	6 1/2	6 3/4	7	7 1/4	7 1/2	7 3/4	8	8 1/4	8 1/2	8 3/4	9	9 1/4	9 1/2	9 3/4	10	10 1/4	10 1/2	10 3/4	11	11 1/4	11 1/2	11 3/4	12	12 1/4	12 1/2	12 3/4	13	13 1/4	13 1/2	13 3/4	14	14 1/4	14 1/2	14 3/4	15	15 1/4	15 1/2	15 3/4	16	16 1/4	16 1/2	16 3/4	17	17 1/4	17 1/2	17 3/4	18	18 1/4	18 1/2	18 3/4	19	19 1/4	19 1/2	19 3/4	20	20 1/4	20 1/2	20 3/4	21	21 1/4	21 1/2	21 3/4	22	22 1/4	22 1/2	22 3/4	23	23 1/4	23 1/2	23 3/4	24	24 1/4	24 1/2	24 3/4	25	25 1/4	25 1/2	25 3/4	26	26 1/4	26 1/2	26 3/4	27	27 1/4	27 1/2	27 3/4	28	28 1/4	28 1/2	28 3/4	29	29 1/4	29 1/2	29 3/4	30	30 1/4	30 1/2	30 3/4	31	31 1/4	31 1/2	31 3/4	32	32 1/4	32 1/2	32 3/4	33	33 1/4	33 1/2	33 3/4	34	34 1/4	34 1/2	34 3/4	35	35 1/4	35 1/2	35 3/4	36	36 1/4	36 1/2	36 3/4	37	37 1/4	37 1/2	37 3/4	38	38 1/4	38 1/2	38 3/4	39	39 1/4	39 1/2	39 3/4	40	40 1/4	40 1/2	40 3/4	41	41 1/4	41 1/2	41 3/4	42	42 1/4	42 1/2	42 3/4	43	43 1/4	43 1/2	43 3/4	44	44 1/4	44 1/2	44 3/4	45	45 1/4	45 1/2	45 3/4	46	46 1/4	46 1/2	46 3/4	47	47 1/4	47 1/2	47 3/4	48	48 1/4	48 1/2	48 3/4	49	49 1/4	49 1/2	49 3/4	50	50 1/4	50 1/2	50 3/4	51	51 1/4	51 1/2	51 3/4	52	52 1/4	52 1/2	52 3/4	53	53 1/4	53 1/2	53 3/4	54	54 1/4	54 1/2	54 3/4	55	55 1/4	55 1/2	55 3/4	56	56 1/4	56 1/2	56 3/4	57	57 1/4	57 1/2	57 3/4	58	58 1/4	58 1/2	58 3/4	59	59 1/4	59 1/2	59 3/4	60	60 1/4	60 1/2	60 3/4	61	61 1/4	61 1/2	61 3/4	62	62 1/4	62 1/2	62 3/4	63	63 1/4	63 1/2	63 3/4	64	64 1/4	64 1/2	64 3/4	65	65 1/4	65 1/2	65 3/4	66	66 1/4	66 1/2	66 3/4	67	67 1/4	67 1/2	67 3/4	68	68 1/4	68 1/2	68 3/4	69	69 1/4	69 1/2	69 3/4	70	70 1/4	70 1/2	70 3/4	71	71 1/4	71 1/2	71 3/4	72	72 1/4	72 1/2	72 3/4	73	73 1/4	73 1/2	73 3/4	74	74 1/4	74 1/2	74 3/4	75	75 1/4	75 1/2	75 3/4	76	76 1/4	76 1/2	76 3/4	77	77 1/4	77 1/2	77 3/4	78	78 1/4	78 1/2	78 3/4	79	79 1/4	79 1/2	79 3/4	80	80 1/4	80 1/2	80 3/4	81	81 1/4	81 1/2	81 3/4	82	82 1/4	82 1/2	82 3/4	83	83 1/4	83 1/2	83 3/4	84	84 1/4	84 1/2	84 3/4	85	85 1/4	85 1/2	85 3/4	86	86 1/4	86 1/2	86 3/4	87	87 1/4	87 1/2	87 3/4	88	88 1/4	88 1/2	88 3/4	89	89 1/4	89 1/2	89 3/4	90	90 1/4	90 1/2	90 3/4	91	91 1/4	91 1/2	91 3/4	92	92 1/4	92 1/2	92 3/4	93	93 1/4	93 1/2	93 3/4	94	94 1/4	94 1/2	94 3/4	95	95 1/4	95 1/2	95 3/4	96	96 1/4	96 1/2	96 3/4	97	97 1/4	97 1/2	97 3/4	98	98 1/4	98 1/2	98 3/4	99	99 1/4	99 1/2	99 3/4	100	100 1/4	100 1/2	100 3/4	101	101 1/4	101 1/2	101 3/4	102	102 1/4	102 1/2	102 3/4	103	103 1/4	103 1/2	103 3/4	104	104 1/4	104 1/2	104 3/4	105	105 1/4	105 1/2	105 3/4	106	106 1/4	106 1/2	106 3/4	107	107 1/4	107 1/2	107 3/4	108	108 1/4	108 1/2	108 3/4	109	109 1/4	109 1/2	109 3/4	110	110 1/4	110 1/2	110 3/4	111	111 1/4	111 1/2	111 3/4	112	112 1/4	112 1/2	112 3/4	113	113 1/4	113 1/2	113 3/4	114	114 1/4	114 1/2	114 3/4	115	115 1/4	115 1/2	115 3/4	116	116 1/4	116 1/2	116 3/4	117	117 1/4	117 1/2	117 3/4	118	118 1/4	118 1/2	118 3/4	119	119 1/4	119 1/2	119 3/4	120	120 1/4	120 1/2	120 3/4	121	121 1/4	121 1/2	121 3/4	122	122 1/4	122 1/2	122 3/4	123	123 1/4	123 1/2	123 3/4	124	124 1/4	124 1/2	124 3/4	125	125 1/4	125 1/2	125 3/4	126	126 1/4	126 1/2	126 3/4	127	127 1/4	127 1/2	127 3/4	128	128 1/4	128 1/2	128 3/4	129	129 1/4	129 1/2	129 3/4	130	130 1/4	130 1/2	130 3/4	131	131 1/4	131 1/2	131 3/4	132	132 1/4	132 1/2	132 3/4	133	133 1/4	133 1/2	133 3/4	134	134 1/4	134 1/2	134 3/4	135	135 1/4	135 1/2	135 3/4	136	136 1/4	136 1/2	136 3/4	137	137 1/4	137 1/2	137 3/4	138	138 1/4	138 1/2	138 3/4	139	139 1/4	139 1/2	139 3/4	140	140 1/4	140 1/2	140 3/4	141	141 1/4	141 1/2	141 3/4	142	142 1/4	142 1/2	142 3/4	143	143 1/4	143 1/2	143 3/4	144	144 1/4	144 1/2	144 3/4	145	145 1/4	145 1/2	145 3/4	146	146 1/4	146 1/2	146 3/4	147	147 1/4	147 1/2	147 3/4	148	148 1/4	148 1/2	148 3/4	149	149 1/4	149 1/2	149 3/4	150	150 1/4	150 1/2	150 3/4	151	151 1/4	151 1/2	151 3/4	152	152 1/4	152 1/2	152 3/4	153	153 1/4	153 1/2	153 3/4	154	154 1/4	154 1/2	154 3/4	155	155 1/4	155 1/2	155 3/4	156	156 1/4	156 1/2	156 3/4	157	157 1/4	157 1/2	157 3/4	158	158 1/4	158 1/2	158 3/4	159	159 1/4	159 1/2	159 3/4	160	160 1/4	160 1/2	160 3/4	161	161 1/4	161 1/2	161 3/4	162	162 1/4	162 1/2	162 3/4	163	163 1/4	163 1/2	163 3/4	164	164 1/4	164 1/2	164 3/4	165	165 1/4	165 1/2	165 3/4	166	166 1/4	166 1/2	166 3/4	167	167 1/4	167 1/2	167 3/4	168	168 1/4	168 1/2	168 3/4	169	169 1/4	169 1/2	169 3/4	170	170 1/4	170 1/2	170 3/4	171	171 1/4	171 1/2	171 3/4	172	172 1/4	172 1/2	172 3/4	173	173 1/4	173 1/2	173 3/4	174	174 1/4	174 1/2	174 3/4	175	175 1/4	175 1/2	175 3/4	176	176 1/4	176 1/2	176 3/4	177	177 1/4	177 1/2	177 3/4	178	178 1/4	178 1/2	178 3/4	179	179 1/4	179 1/2	179 3/4	180	180 1/4	180 1/2	180 3/4	181	181 1/4	181 1/2	181 3/4	182	182 1/4	182 1/2	182 3/4	183	183 1/4	183 1/2	183 3/4	184	184 1/4	184 1/2	184 3/4	185	185 1/4	185 1/2	185 3/4	186	186 1/4	186 1/2	186 3/4	187	187 1/4	187 1/2	187 3/4	188	188 1/4	188 1/2	188 3/4	189	189 1/4	189 1/2	189 3/4	190	190 1/4	190 1/2	190 3/4	191	191 1/4	191 1/2	191 3/4	192	192 1/4	192 1/2	192 3/4	193	193 1/4	193 1/2	193 3/4	194	194 1/4	194 1/2	194 3/4	195	195 1/4	195 1/2	195 3/4	196	196 1/4	196 1/2	196 3/4	197	197 1/4	197 1/2	197 3/4	198	198 1/4	198 1/2	198 3/4	199	199 1/4	199 1/2	199 3/4	200	200 1/4	200 1/2	200 3/4	201	201 1/4	201 1/2	201 3/4	202	202 1/4	202 1/2	202 3/4	203	203 1/4	203 1/2	203 3/4	204	204 1/4	204 1/2	204 3/4	205	205 1/4	205 1/2	205 3/4	206	206 1/4	206 1/2	206 3/4	207	207 1/4	207 1/2	207 3/4	208	208 1/4	208 1/2	208 3/4	209	209 1/4	209 1/2	209 3/4	210	210 1/4	210 1/2	210 3/4	211	211 1/4	211 1/2	211 3/4	212	212 1/4	212 1/2	212 3/4	213	213 1/4	213 1/2	213 3/4	214	214 1/4	214 1/2	214 3/4	215	215 1/4	215 1/2	215 3/4	216	216 1/4	216 1/2	216 3/4	217	217 1/4	217 1/2	217 3/4	218	218 1/4	218 1/2	218 3/4	219	219 1/4	219 1/2	219 3/4	220	220 1/4	220 1/2	220 3/4	221	221 1/4	221 1/2	221 3/4	222	222 1/4	222 1/2	222 3/4	223	223 1/4	223 1/2	223 3/4	224	224 1/4	224 1/2	224 3/4	225	225 1/4	225 1/2	225 3/4	226	226 1/4	226 1/2	226 3/4	227	227 1/4	227 1/2	227 3/4	228	228 1/4	228 1/2	228 3/4	229	229 1/4	229 1/2	229 3/4	230	230 1/4	230 1/2	230 3/4	231	231 1/4	231 1/2	231 3/4	232	232 1/4	232 1/2	232 3/4	233	233 1/4	233 1/2	233 3/4	234	234 1/4	234 1/2	234 3/4	235	235 1/4	235 1/2	235 3/4	236	236 1/4	236 1/2	236 3/4	237	237 1/4	237 1/2	237 3/4	238	238 1/4	238 1/2	238 3/4	239	239 1/4	239 1/2	239 3/4	240	240 1/4	240 1/2	240 3/4	241	241 1/4	241 1/2	241 3/4	242	242 1/4	242 1/2	242 3/4	243	243 1/4	243 1/2	243 3/4	244	244 1/4	244 1/2	244 3/4	245	245 1/4	245 1/2	245 3/4	246	246 1/4	246 1/2	246 3/4	247	247 1/4	247 1/2	247 3/4	248	248 1/4	248 1/2	248 3/4	249	249 1/4	249 1/2	249 3/4	250	250 1/4	250 1/2	250 3/4	251	251 1/4	251 1/2	251 3/4	252	252 1/4	252 1/2	252 3/4	253	253 1/4	253 1/2	253 3/4	254	254 1/4	254 1/2	254 3/4	255	255 1/4	255 1/2	255 3/4	256	256 1/4	256 1/2	256 3/4	257	257 1/4	257 1/2	257 3/4	258	258 1/4	258 1/2	258 3/4	259	259 1/4	259 1/2	259 3/4	260	260 1/4	260 1/2	260 3/4	261	261 1/4	261 1/2	261 3/4	262	262 1/4	262 1/2	262 3/4	263	263 1/4	263 1/2	263 3/4	264	264 1/4	264 1/2	264 3/4	265	265 1/4	265 1/2	265 3/4	266	266 1/4	266 1/2	266 3/4	267	267 1/4	267 1/2	267 3/4	268	268 1/4	268 1/2	268 3/4	269	269 1/4	269 1/2	269 3/4	270	270 1/4	270 1/2	270 3/4	271	271 1/4	271 1/2	271 3/4	272	272 1/4	272 1/2	272 3/4	273	273 1/4	273 1/2	273 3/4	274	274 1/4	274 1/2	274 3/4	275	275 1/4	275 1/2	275 3/4	276	276 1/4	276 1/2	276 3/4	277	277 1/4	277 1/2	277 3/4	278	278 1/4	278 1/2	278 3/4	279	279 1/4	279 1/2	279 3/4	280	280 1/4	280 1/2	280 3/4	281	281 1/4	281 1/2	281 3/4	282	282 1/4	282 1/2	282 3/4	283	283 1/4	283 1/2	283 3/4	284	284 1/4	284 1/2	284 3/4	285	285 1/4	285 1/2	285 3/4	286	286 1/4	286 1/2	286 3/4	287	287 1/4	287 1/2	287 3/4	288	288 1/4	288 1/2	288 3/4	289	289 1/4	289 1/2	289 3/4	290	290 1/4	290 1/2	290 3/4	291	291 1/4	291 1/2	291 3/4
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HANDLED GOUGES (with Best London Handles).

	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{4}$	$1\frac{1}{2}$	2	inch	Sets of 9, 1 to 14			
Cast Steel Firmer Gouges, Boxwood, Plain	10/6	10/6	10/6	10/9	11/	11/6	12/	12/6	13/9	15/	15/3	18/	20/	21/	22/6	27/	31/6 doz.
" " Long Paring Gouges, Beech, London Plain..	16/	16/	16/	16/	16/	16/	17/	18/	19/	20/	20/6	26/	29/	31/	33/	39/	46/
" " " Boxwood "	18/	18/	18/	18/	18/	18/	18/	19/	21/	22/	23/	25/	29/	32/	36/	42/	49/
" " " Beech, London Octagon	17/	17/	17/	17/	17/	18/	19/	20/	21/	23/	27/	30/	32/	34/	40/	47/	"
" " " Boxwood "	19/	19/	19/	20/	22/	23/	24/	26/	30/	33/	37/	44/	50/	"	"	"	"

REGISTERED CHISELS AND GOUGES.

[illegible]

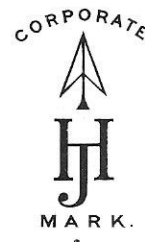
SHARP IRONS OR IRON HEAD SHIP CHISELS. (Or in quantities to net prices.)

	3	1	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2 inches
Iron Head Sharp Iron Chisels, 12 inches long....	14/6	14/6	16/6	18/3	20/
" " " " " "	18/9	19/9	21/9	25/6	29/
" " " " " "	....	....	....	29/	32/9

CAST STEEL TURNING CHISELS AND GOUGES.

[illegible]

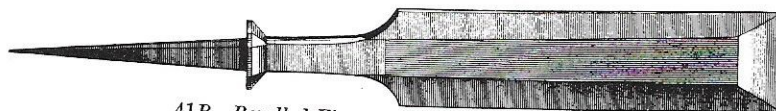
LIGHT EDGE TOOLS—Chisels and Gouges.



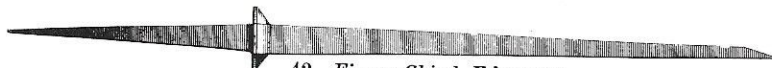
66 C.S. Long Paring Gouge, handled, London Plain Beech No. 68 Boxwood



42 Firmer Chisel



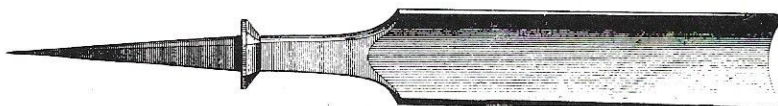
41B Bevelled Firmer Chisel; if handled, 47B and 49B



42 Firmer Chisel, Edge view



52 Coachmakers' Chisel; if longer, 54 Millwrights'



60 C.S. Firmer Gouge



51B Bevelled Long Paring Chisel; if Plain, 51



65 C.S. Long Paring Gouge



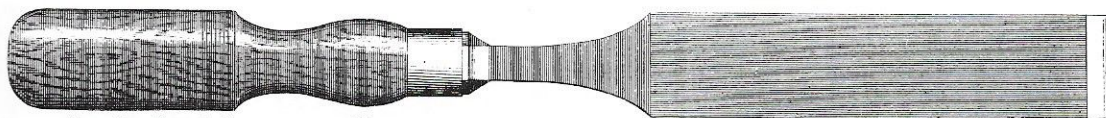
304 C.S. Turning Chisel



306 C.S. Turning Gouge

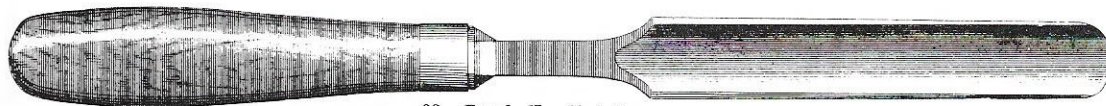


306½ V Turning Tool, ¾ and ½, 15/ per dozen

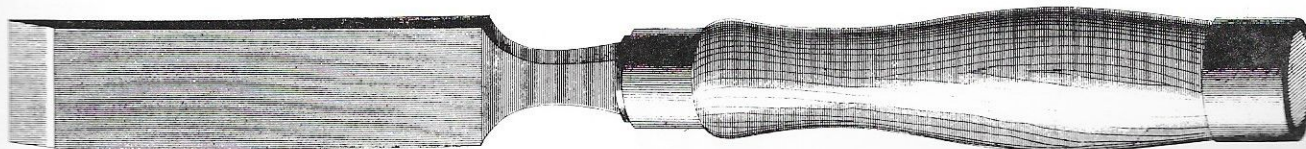


See also 44 and 45

Handled London Plain Firmer Chisel 46 Beech 48 Boxwood



63 Beech Handled Gouge



663 Registered Chisel, handled



Handled Long Paring Chisel, London Plain 56 Beech 58 Box

COMMON FIRMER CHISELS AND GOUGES. Steel Lined. If Handled, extra, as per Cast Steel on page 2.

110	Short Firmer Chisels, (1 in., to be 5½ in. to Bolster)	4/3	4/3	4/6	5/0	5/3	5/6	6/3	6/9	7/9	8/9	10/0	11/0	12/0	12/9	15/6	18/6	23/6	per dozen
111	" Gouges	5/0	5/0	5/3	5/9	6/0	6/6	7/3	7/9	8/9	9/9	11/3	12/3	13/3	14/3	17/6	20/6	23/6	"
113	Long Firmer Chisels, (1 in., to be 6½ in. to Bolster)	5/6	5/6	6/0	6/0	6/3	6/9	7/6	8/0	9/0	10/0	11/6	12/6	14/0	14/9	17/6	"	"	"
114	" Gouges	6/3	6/3	6/9	6/9	7/0	7/9	8/6	9/0	10/0	11/0	12/9	13/9	15/3	16/3	19/6	"	"	"

MORTICE CHISELS.

[illegible]

Handled Sash Pocket Chisels.....	14/0	16/0	18/0	per dozen
	1 1/4	1 1/2	2	inches

SOCKET CHISELS AND GOUGES.

	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	1	1 $\frac{1}{4}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	2	inches
German Steel Socket Chisels.....	9/9	10/9	11/6	12/0	13/0	14/3	15/6	16/6	17/6	18/9	20/0	21/3	22/9	per dozen
" " Gouges, Insteeled	11/3	12/3	13/0	14/6	16/9	18/0	19/0	20/3	21/3	22/3	23/9	25/3	27/0	"
" " Stalking Chisels	13/9	15/3	16/3	17/9	18/9	20/6	22/3	23/0	25/0	27/0	29/9	32/9	36/3	"
Blockmakers' Chisels, 16 inches long	18/0	20/0	22/0	24/0	26/0	29/0	32/0	35/0	38/0	42/0	46/0	50/0	54/0	"
" " Gouges	24/0	26/0	28/0	30/0	32/0	35/0	38/0	41/0	44/0	48/0	52/0	56/0	60/0	"
" " Outsteeted..	2 $\frac{1}{4}$	2 $\frac{3}{4}$	3	3 $\frac{1}{4}$	3 $\frac{1}{2}$	3 $\frac{3}{4}$	4	4 $\frac{1}{4}$	4 $\frac{1}{2}$	5	5 $\frac{1}{4}$	5 $\frac{1}{2}$	6	"
Ship Slices, Electro Blued, 18 inches long	48/	52/	55/	59/	64/	67/	70/	82/	94/	per doz.	(if No. 999 C.S. Black).			

CAST STEEL SOCKET CHISELS AND GOUGES.

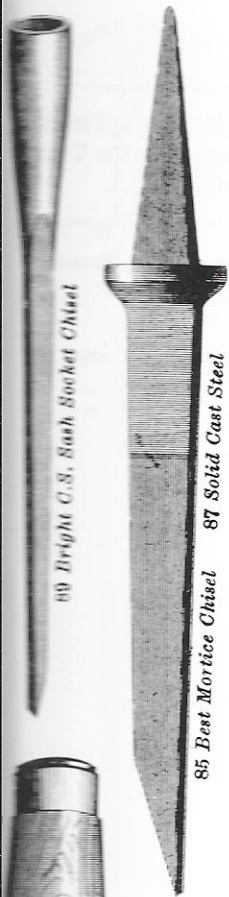
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Cast Steel Socket Chisels, Blued or Black	12/3	13/0	14/0	15/0	16/0	17/0	18/0	19/0	20/0	21/0	22/0	23/0	24/0	25/0	26/0	27/0	28/0	29/0	30/0	31/0	32/0	33/0	34/0	35/0	36/0	37/0	38/0	39/0	40/0	41/0	42/0	43/0	44/0	45/0	46/0	47/0	48/0	49/0	50/0	51/0	52/0	53/0	54/0	55/0	56/0	57/0	58/0	59/0	60/0	61/0	62/0	63/0	64/0	65/0	66/0	67/0	68/0	69/0	70/0	71/0	72/0	73/0	74/0	75/0	76/0	77/0	78/0	79/0	80/0	81/0	82/0	83/0	84/0	85/0	86/0	87/0	88/0	89/0	90/0	91/0	92/0	93/0	94/0	95/0	96/0	97/0	98/0	99/0	100/0											
" Strong American Pattern, Socket Chisels ..	13/6	14/3	15/0	16/0	17/0	18/0	19/0	20/0	21/0	22/0	23/0	24/0	25/0	26/0	27/0	28/0	29/0	30/0	31/0	32/0	33/0	34/0	35/0	36/0	37/0	38/0	39/0	40/0	41/0	42/0	43/0	44/0	45/0	46/0	47/0	48/0	49/0	50/0	51/0	52/0	53/0	54/0	55/0	56/0	57/0	58/0	59/0	60/0	61/0	62/0	63/0	64/0	65/0	66/0	67/0	68/0	69/0	70/0	71/0	72/0	73/0	74/0	75/0	76/0	77/0	78/0	79/0	80/0	81/0	82/0	83/0	84/0	85/0	86/0	87/0	88/0	89/0	90/0	91/0	92/0	93/0	94/0	95/0	96/0	97/0	98/0	99/0	100/0												
" Socket Goggles, Insteeled	15/3	16/0	17/0	18/0	20/0	22/0	24/0	25/0	26/0	27/0	28/0	29/0	30/0	31/0	32/0	33/0	34/0	35/0	36/0	37/0	38/0	39/0	40/0	41/0	42/0	43/0	44/0	45/0	46/0	47/0	48/0	49/0	50/0	51/0	52/0	53/0	54/0	55/0	56/0	57/0	58/0	59/0	60/0	61/0	62/0	63/0	64/0	65/0	66/0	67/0	68/0	69/0	70/0	71/0	72/0	73/0	74/0	75/0	76/0	77/0	78/0	79/0	80/0	81/0	82/0	83/0	84/0	85/0	86/0	87/0	88/0	89/0	90/0	91/0	92/0	93/0	94/0	95/0	96/0	97/0	98/0	99/0	100/0																	
Bright Cast Steel Socket Chisels, (and Sash No. 89) ..	14/3	15/0	16/0	17/0	18/0	19/0	20/0	21/0	22/0	23/0	24/0	25/0	26/0	27/0	28/0	29/0	30/0	31/0	32/0	33/0	34/0	35/0	36/0	37/0	38/0	39/0	40/0	41/0	42/0	43/0	44/0	45/0	46/0	47/0	48/0	49/0	50/0	51/0	52/0	53/0	54/0	55/0	56/0	57/0	58/0	59/0	60/0	61/0	62/0	63/0	64/0	65/0	66/0	67/0	68/0	69/0	70/0	71/0	72/0	73/0	74/0	75/0	76/0	77/0	78/0	79/0	80/0	81/0	82/0	83/0	84/0	85/0	86/0	87/0	88/0	89/0	90/0	91/0	92/0	93/0	94/0	95/0	96/0	97/0	98/0	99/0	100/0													
" " Goggles, Insteeled	18/9	19/6	20/3	21/0	22/0	23/0	24/0	25/0	26/0	27/0	28/0	29/0	30/0	31/0	32/0	33/0	34/0	35/0	36/0	37/0	38/0	39/0	40/0	41/0	42/0	43/0	44/0	45/0	46/0	47/0	48/0	49/0	50/0	51/0	52/0	53/0	54/0	55/0	56/0	57/0	58/0	59/0	60/0	61/0	62/0	63/0	64/0	65/0	66/0	67/0	68/0	69/0	70/0	71/0	72/0	73/0	74/0	75/0	76/0	77/0	78/0	79/0	80/0	81/0	82/0	83/0	84/0	85/0	86/0	87/0	88/0	89/0	90/0	91/0	92/0	93/0	94/0	95/0	96/0	97/0	98/0	99/0	100/0																	
Solid Cast Steel Socket Firmer Chisels, fine glazed ..	12/8	13/9	16/3	17/3	18/3	19/3	19/9	21/0	22/3	23/3	24/0	25/3	26/3	27/9	28/3	29/3	30/0	31/0	32/0	33/0	34/0	35/0	36/0	37/0	38/0	39/0	40/0	41/0	42/0	43/0	44/0	45/0	46/0	47/0	48/0	49/0	50/0	51/0	52/0	53/0	54/0	55/0	56/0	57/0	58/0	59/0	60/0	61/0	62/0	63/0	64/0	65/0	66/0	67/0	68/0	69/0	70/0	71/0	72/0	73/0	74/0	75/0	76/0	77/0	78/0	79/0	80/0	81/0	82/0	83/0	84/0	85/0	86/0	87/0	88/0	89/0	90/0	91/0	92/0	93/0	94/0	95/0	96/0	97/0	98/0	99/0	100/0													
Handled "																																																																																																				

DRAWING KNIVES. (For Electro Coopers' Drawing Knives, &c. see Coopers' Tools, page 12.)

[illegible]

LIGHT EDGE TOOLS.

3

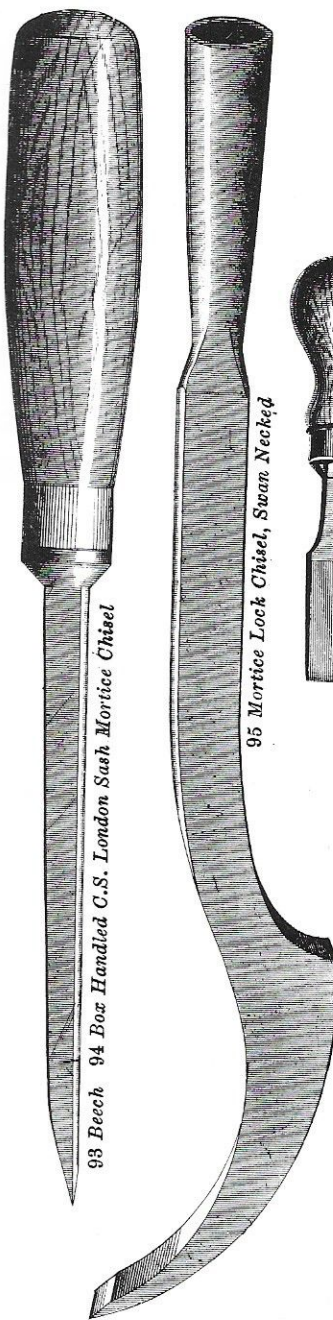


89 Bright C.S. Sash Pocket Chisel

85 Best Mortice Chisel 87 Solid Cast Steel



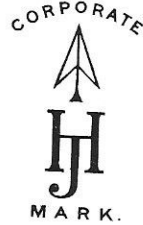
88r Handled American Framing Chisel, Bright, with Cant or Round Backs



93 Beech 94 Box Handled C.S. London Sash Mortice Chisel

95 Mortice Lock Chisel, Swan Necked

109S Button Hole Chisel, Handled, 12/



MARK.

Set of 9, $\frac{1}{4}$ to $1\frac{1}{2}$ Chisels

$\frac{1}{4}$
 $\frac{3}{8}$
 $\frac{1}{2}$
 $\frac{5}{8}$
 $\frac{3}{4}$
 $\frac{7}{8}$
1 in

Set of 9, $\frac{1}{4}$ to $1\frac{1}{2}$ Gouges
E Sweep

$\frac{1}{4}$
 $\frac{3}{8}$
 $\frac{1}{2}$
 $\frac{5}{8}$
 $\frac{3}{4}$
 $\frac{7}{8}$
1 in
 $1\frac{1}{4}$
 $1\frac{1}{2}$

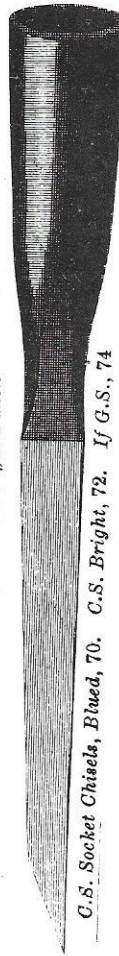
Relative Sweeps of $1\frac{1}{2}$ Gouge

Flat - or A Sweep
Deep Flat - or B Sweep
Faint Middle - or C Sweep
Middle - or D Sweep
Scribing - or E Sweep
Fluting - or F Sweep
Deep Fluting - or G Sweep

A90 $\frac{1}{8}$ x $\frac{1}{4}$, 13/6 per doz.



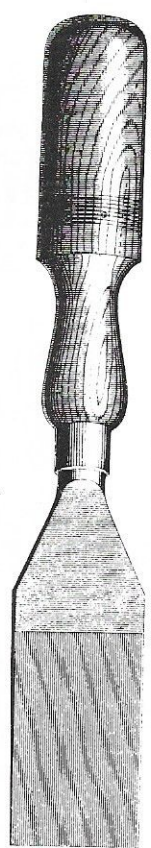
Sash or Astragal Punch



C.S. Socket Chisels, Blued, 70. C.S. Bright, 72. If G.S., 74



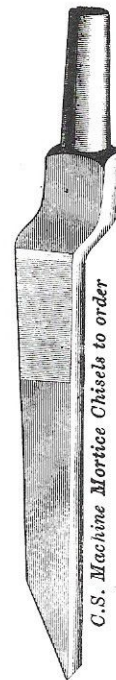
Socket Gouge, Insteeld, G.S., 76. C.S. Blued, 78. C.S. Bright, 80



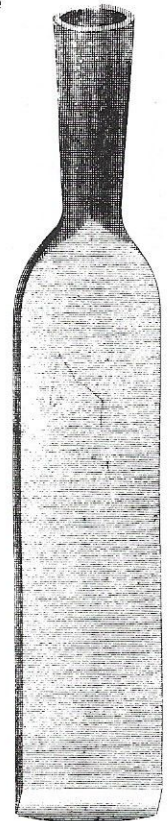
96 Sash Pocket Chisel, Handled



Round End Joiner's Router



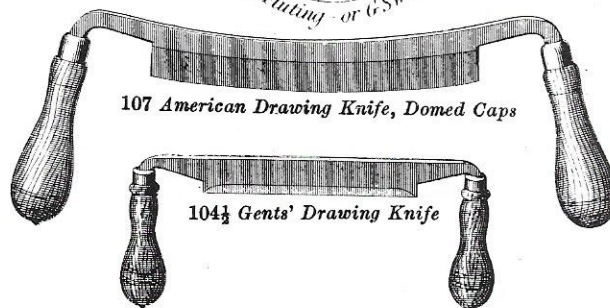
C.S. Machine Mortice Chisels to order



999 C.S. Black Ship Slice 671 Electro Blued

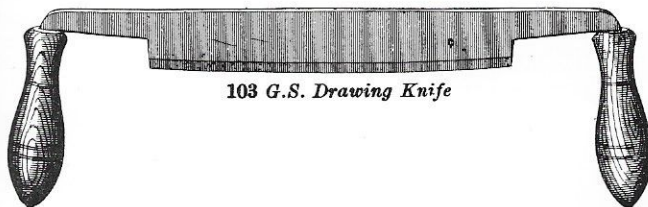


MARK.

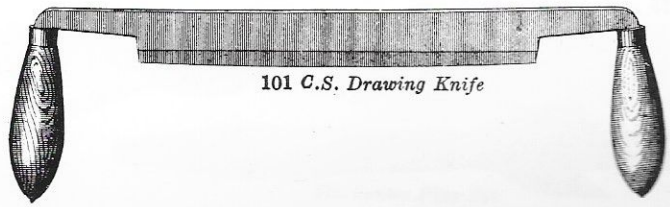


107 American Drawing Knife, Domed Caps

104 $\frac{1}{2}$ Gents' Drawing Knife



103 G.S. Drawing Knife



101 C.S. Drawing Knife

JOINERS' TOOLS.

In consequence of considerable advances, both in Wages and Materials, it was unanimously resolved at a General Meeting of Joiners' Tool Manufacturers, held at the Cutlers' Hall, Sheffield, on the 25th June, 1873, that the following List of Prices be adopted by the Trade from the 1st July, 1873. Best Goods Stamped "JAMES HOWARTH," Second Quality Stamped "BROOM SPRING CO."

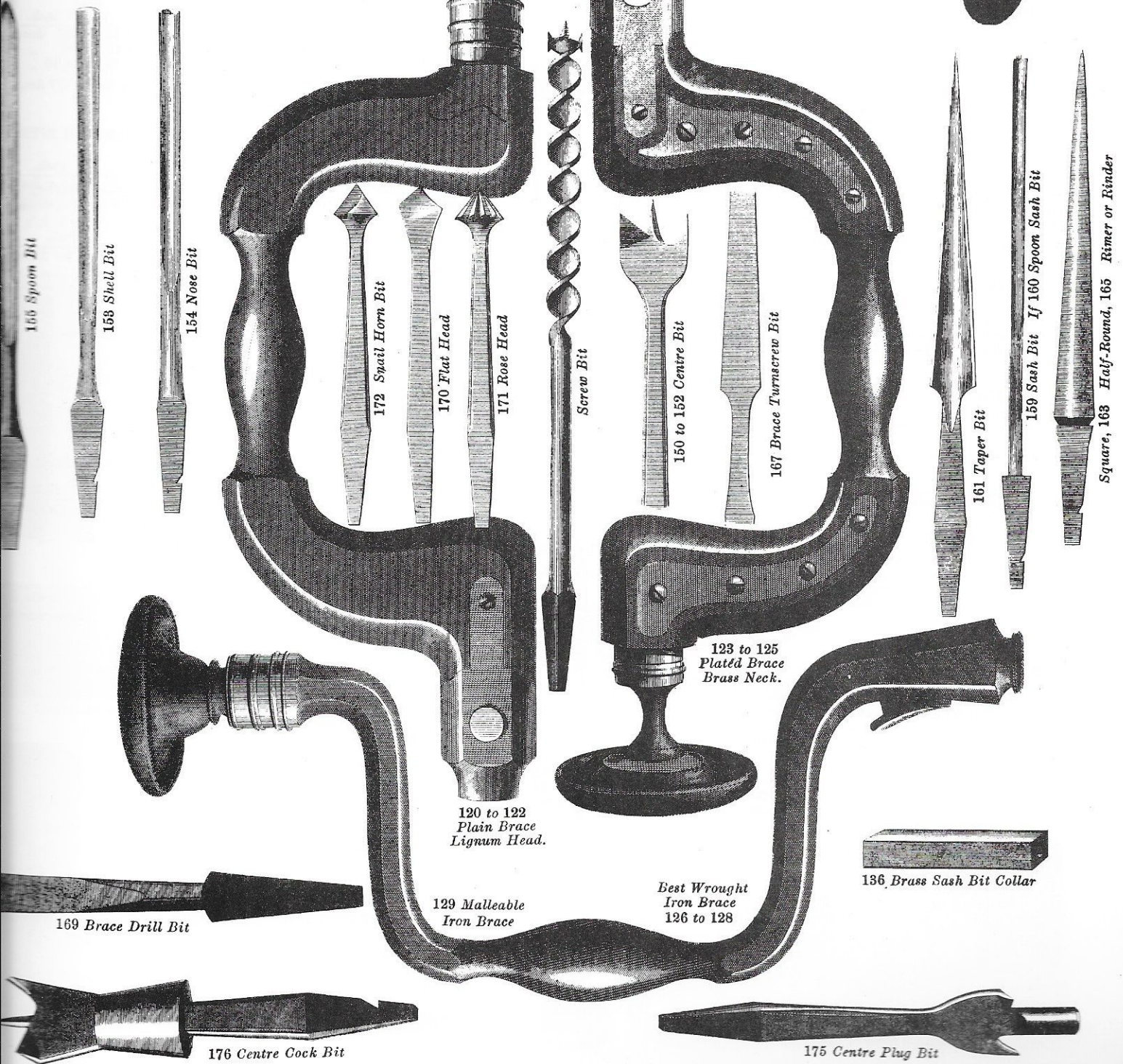
No.	BEST BRACES, with Bits Complete. N.B.—Unless specially ordered otherwise, a set of 36 Bits always sent with Brace.																
BEST PLAIN BRACES, Polished Lignum Head, 9/ each. If with all Ebony Head, 1/ each extra to Lignum Head.																	
	With 12	18	24	30	36	42	48	54	60	Bits, fitted							
120	Cast Steel Black Bits, sharpened, and Bright insides	14/8	17/6	20/4	23/4	27/0	29/6	33/0	36/6	40/0 each.	If with Brass Necked Ebony Head, 120B, 2/0 extra						
121	Ditto Bright Bits	15/3	18/4	21/6	24/9	28/9	31/7	35/4	39/2	42/10 "	121B, 2/0 "						
122	Ditto Straw Coloured Bits	15/11	19/4	22/10	26/5	30/9	33/11	38/0	42/2	46/2 "	122B, 2/0 "						
IMPROVED PLATED BRACES, POLISHED, 13/ each, LIGNUM HEAD.																	
	With 12	18	24	30	36	42	48	54	60	Bits, fitted							
123L	Cast Steel Black Bits, sharpened, and Bright insides	18/8	21/6	24/4	27/4	31/0	33/6	37/0	40/6	44/0 each							
124L	Ditto Bright Bits	19/3	22/4	25/6	28/9	32/9	35/7	39/4	43/2	46/10 "							
125L	Ditto Straw Coloured Bits ..	19/11	23/4	26/10	30/5	34/9	37/11	42/0	46/2	50/2 "							
IMPROVED PLATED BRACES, POLISHED, WITH IMPROVED BRASS NECKS, 15/ each.																	
	With 12	18	24	30	36	42	48	54	60	Bits, fitted							
123	Cast Steel Black Bits, sharpened, and Bright insides	20/8	23/6	26/4	29/4	33/0	35/6	39/0	42/6	46/0 each							
124	Ditto Bright Bits	21/3	24/4	27/6	30/9	34/9	37/7	41/4	45/2	48/10 "							
125	Ditto Straw Coloured Bits ..	21/11	25/4	28/10	32/5	36/9	39/11	44/0	48/2	52/2 "							
IMPROVED SCOTCH IRON BRACES, 14/0 each, LIGNUM HEAD.																	
	With 12	18	24	30	36	42	48	54	60	Bits, fitted							
126L	Cast Steel Black Bits, sharpened, and Bright insides	18/10	21/9	24/9	27/9	31/9	34/0	37/9	41/6	45/0 each							
127L	Ditto Bright Bits	19/5	22/7	25/11	29/2	33/6	36/1	40/1	44/2	47/10 "							
128L	Ditto Straw Coloured	20/1	23/7	27/3	30/10	35/6	38/5	42/9	47/2	51/2 "							
IMPROVED SCOTCH IRON BRACES, WITH IMPROVED BRASS NECKS, 16/ each																	
	With 12	18	24	30	36	42	48	54	60	Bits, fitted							
126	Cast Steel Black Bits, sharpened, and Bright insides	20/10	23/9	26/9	29/9	33/9	36/0	39/9	43/6	47/0 each.							
127	Ditto Bright Bits	21/5	24/7	27/11	31/2	35/6	38/1	42/1	46/2	49/10 "							
128	Ditto Straw Coloured Bits ..	22/1	25/7	29/3	32/10	37/6	40/5	44/9	49/2	53/2 "							
129	Malleable Bright Scotch Iron Brace, Lignum Head, 6/0 each											12	18	24	30	36	Bits, fitted
129	If with Cast Steel Black Bits, sharpened, and Bright insides											11/8	14/6	17/4	20/4	24/0 each	
129	Gentlemen's Bright Scotch Iron Brace, Lignum Head, 7/0 each.											Gentleman's Small Wood Braces, same prices as No. 120 to 125.					
ROSEWOOD METALLIC FRAME BRACES, IMPROVED BRASS NECKED HEAD, REVOLVER HANDLE, 25/ each.																	
	12	18	24	30	36	42	48	54	60	Bits, fitted.							
130	If with Cast Steel Black Bits and Bright insides, sharpened }	30/8	33/6	36/4	39/4	43/	45/6	49/	52/6	56/ each.	If Ebony E130, Boxwood B130, same price						
131	Ditto Bright Bits	31/3	34/4	37/6	40/9	44/9	47/7	51/4	55/2	58/10 "	E131 B131 "						
132	Ditto Straw Coloured Bits	31/11	35/4	38/10	42/5	46/9	49/11	54/	58/2	62/2 "	E132 B132 "						
134	Best Lignum Vitæ Brace Heads and Spindles, complete..	24/ per dozen					133	Best Brace Pads					30/ per dozen				
134E	Solid Ebony Brace Heads ditto ..	36/ "					136	Brace Collars for Sash Bits					1/6 per pair				
134B	Improved Brace Heads, all Brass ditto ..	48/ "					Boxwood or Rosewood Braces, 12/ each extra to Plated Beech Braces.										
135	Ditto ditto Brass Necks, Ebony Caps, ditto ..	48/ "					Ebony ditto 16/ ditto ditto ditto										
CAST STEEL CENTRE BITS, assorted 1/8 to 1 inch, Black, 4/8; Bright, 5/8; Straw Coloured, 6/4 per dozen.																	
	To 3/8	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1	2 1/2	2 3/4	3	3 1/2	3 3/4	3 1/2		
150	Black, sharpened 4/	4/6	4/6	4/9	4/9	5/	5/	5/6	5/6	6/	6/	7/	8/	9/	10/		
151	Bright	5/	5/6	5/6	5/9	5/9	6/	6/	6/6	6/6	7/	7/	8/2	9/2	10/2		
152	Straw Coloured..	5/8	6/2	6/2	6/5	6/5	6/8	6/8	7/2	7/2	7/8	7/8	8/10	10/	11/		
CAST STEEL SCREW PIN CENTRE BITS.																	
	To 1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/8	2 1/4	2 3/8	2 1/2	inches						
173	Black Screw Nose Centre Bits, usual length	16/	17/6	19/	20/	22/	27/	32/	per dozen								
	To 1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/8	2 1/4	2 3/8	2 1/2	inches						
0155	Black Long Screw Nose Centre Bits for Wagon Builders ..	18/	20/	21/	23/	26/	30/	37/	41/	45/	50/	55/	per dozen				
CAST STEEL CENTRE PLUG BITS (Black).																	
	To 1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/8	2 1/4	2 3/8	2 1/2	inches						
175	Cast Steel Centre Plug Bits	14/6	16/	18/	per dozen												
CAST STEEL CENTRE COCK BITS (Black).																	
	To 1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/8	2 1/4	2 3/8	2 1/2	inches						
176	Cast Steel Centre Cock Bits	20/	22/	24/	per dozen												

JOINERS' TOOLS—Braces and Bits.

4



*Revolver Handle.
Metallic Frame Brace
130 to 132 Rosewood, Ebony, or Box*



JOINERS' TOOLS.

HOLLOW BITS. Cast Steel Sharpened. (Bobbin Machine and Cratemakers' Bits, &c., to order.)

No.	CAST STEEL NOSE, SHELL, SPOON, and CANEING BITS.										
	154	153	155	153C							
	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	inch.
Black (Bright Insides) ..	4/8	4/8	4/8	4/8	5/	5/6	7/	8/	12/	14/6	doz.
Bright	5/3	5/3	5/3	5/3	5/7	6/1	7/7	8/7	13/	15/6	
Straw Coloured.....	5/11	5/11	5/11	5/11	6/3	6/9	8/3	9/3	13/8	16/2	

Assorted, $\frac{1}{8}$ to $\frac{3}{4}$, Black, 5/; Bright, 5/7; Straw Coloured, 6/3 per dozen.**156—CAST STEEL SHELL GIMLET BITS.**

	To $\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1 inch.
Black (Bright Insides)	5/	6/	7/	per dozen.
Bright	5/7	6/7	7/7	
Straw Coloured	6/3	7/3	8/3	"

157 Twist | 158—Half Twist, 1/ extra.

BRACE BITS, Cast Steel.—Brace Bits Fitting, 8d. per doz.**CAST STEEL BITS IN SETS, Assorted, Unfitted.**

No.	Black assorted Bits, Sharpened, and Bright insides ..									
	12	18	24	30	36	42	48	54	60	Bits.
140	4/8	7/	9/4	11/10	15/3	17/	20/	23/	26/	set
141	5/3	7/11	10/6	13/4	17/	19/1	22/4	25/8	28/11	"
142	5/11	8/11	11/10	15/	19/	21/5	25/	28/8	32/3	"

Black. Bright. Straw Coloured.

No.	Bed Bits (Bright Insides) to $\frac{1}{8}$..	Turnscrew Bits, Plain	Ditto Forked	Square Rinders*	Half Round	Five and Six Side	Eight Side
162	7/6	8/1	8/9	per dozen.			
167	4/	4/11	5/7	"			
168	4/6	5/5	6/1	"			
163	5/	5/11	6/7	"			
165	5/	5/11	6/7	"			
166	7/6	8/5	9/1	"			
166E	6/6	7/5	8/1	"			

164—*With Cross Box Gimlet Head, extra to 163, 3/6 per dozen.

CAST STEEL COUNTERSINK BITS, Sharpened.

No.	To $\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 inch.
170	FLAT HEADS.					
	Black	4/6	4/6	5/6		per dozen.
	Bright	5/5	5/5	6/5		"
	Straw Coloured	6/1	6/1	7/1		"

If assorted to $\frac{1}{8}$, Black, 4/6; Bright, 5/5; Straw Coloured, 6/1 per doz.

No.	To $\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 inch.
172	SNAIL HORNS.					
	Black	5/	5/	6/	9/	13/ 16/ per dozen.
	Bright	5/11	5/11	6/11	10/	14/ 17/ "
	Straw Coloured	6/7	6/7	7/7	10/8	14/9 17/10 "

If assorted to $\frac{1}{8}$, Black, 5/; Bright, 5/11; Straw Coloured, 6/7 per doz.

No.	To $\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 inch.
171	ROSE HEADS, 8 Cuts.					
	Black	5/	6/	7/		per dozen.
	Bright	5/11	6/11	7/11		"
	Straw Coloured	6/7	7/7	8/7		"

If assorted to $\frac{1}{8}$, Black, 5/6; Bright, 6/5; Straw Coloured, 7/1 per doz.

All Flat Tanged Bits, same price as Square Tanged Bits.

SQUARES. Best Blued Steel Blades.

No.	3	4 $\frac{1}{2}$	6	7 $\frac{1}{2}$	9	10 $\frac{1}{2}$	12	15	18	21	24	30 in. on Blade.	Inside Measurement.
181	Diamond Plated Squares	17/	19/6	23/6	28/6	33/6	39/	44/	58/	74/	96/	120/	per doz.
180	Rosewood Best Plated do., with Shield ..	20/6	22/6	26/	32/	38/	43/	50/	68/	84/	108/	132/	"
180E	Ebony do. do. do. do.	22/	24/	28/	34/	40/	46/	54/	74/	90/			"
180D	Rosewood Double do. do.	30/9	33/9	39/	48/	57/	64/6	75/	102/	126/			"
182R	Solid Brass-framed Square Rule Blades ..	32/	37/	43/	52/	63/	71/	78/	111/	135/			"
180L	Rosewood Best Plated do., with Levels ..				78/	84/	90/	108/	126/	140/	160/		"
180T	Rosewood T Drawing Squares						80/	94/	112/	132/	154/	180/	"
204	Rosewood London Pattern Bricklayers' Squares, 36/ per dozen.												
		2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5	5 $\frac{1}{2}$	6	inches.			
186	Brass Stocked Sash Squares	18/	19/	20/	21/6	23/	25/	27/	30/	per doz.			
187	Bright Engineers' and Coachmakers' Squares	27/6	28/6	32/	33/	34	41/6	42/6	43/6	"			
187S	Do. do. do. made out of Sheet Steel, 6 to 36 inches, sold Net.												

MITRE SQUARES.

No.	8	10	12	14	16	inches.
184	Plated Mitre Squares	34/	40/	46/	55/	64/ per dozen.
185	Rosewood Best Plated Mitre Squares	50/	58/	66/	77/	"
185E	Ebony do. do. do.	52/	60/	70/	80/	"

CAST STEEL SASH, TABLE, and DOWEL BITS.

	159	159T	159D	
	To $\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1 inch.
Black (Bright Insides)	5/6	6/	6/6	per dozen.
Bright	6/1	6/7	7/1	"
Straw Coloured	6/9	7/3	7/9	"

161—CAST STEEL TAPER BITS.

	To $\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1 inch.
Black (Bright Insides)	7/6	9/6	11/6	13/6 per dozen.
Bright	8/1	10/2	12/4	14/8 "
Straw Coloured	8/9	10/10	13/	15/6 "

CAST STEEL COUNTERSINK BITS, Sharpened.—Continued.**171 $\frac{1}{2}$ ROSE HEADS, 12 Cuts.**

	To $\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 inch.
Black	5/6	6/6	8/	10/6	14/6	17/ doz.
Bright	6/5	7/5	8/11	11/6	15/6	18/ "
Straw Coloured	7/1	8/1	9/7	12/3	16/3	18/10 "

If assorted to $\frac{1}{8}$, Black, 6/; Bright, 6/11; Straw Col'd., 7/7 doz.**CAST STEEL CHAIR, BRUSH & COOPERS' DOWLING BITS.**

	To $\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	1 inch.
0234 Black Chair Bits, Flat Shanks	4/	5/9	6/6	8/	10/ per doz.
0235 Deep London, Sharpened	6/	7/9	8/6	10/	12/ "

	To $\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{8}$	1 inch.
647B Black Brush Bits, Flat Shanks ..	4/	5/	6/	per dozen.
647 Do. Coopers' Dowling Bits, do. ..	3/	3/3	3/6	"

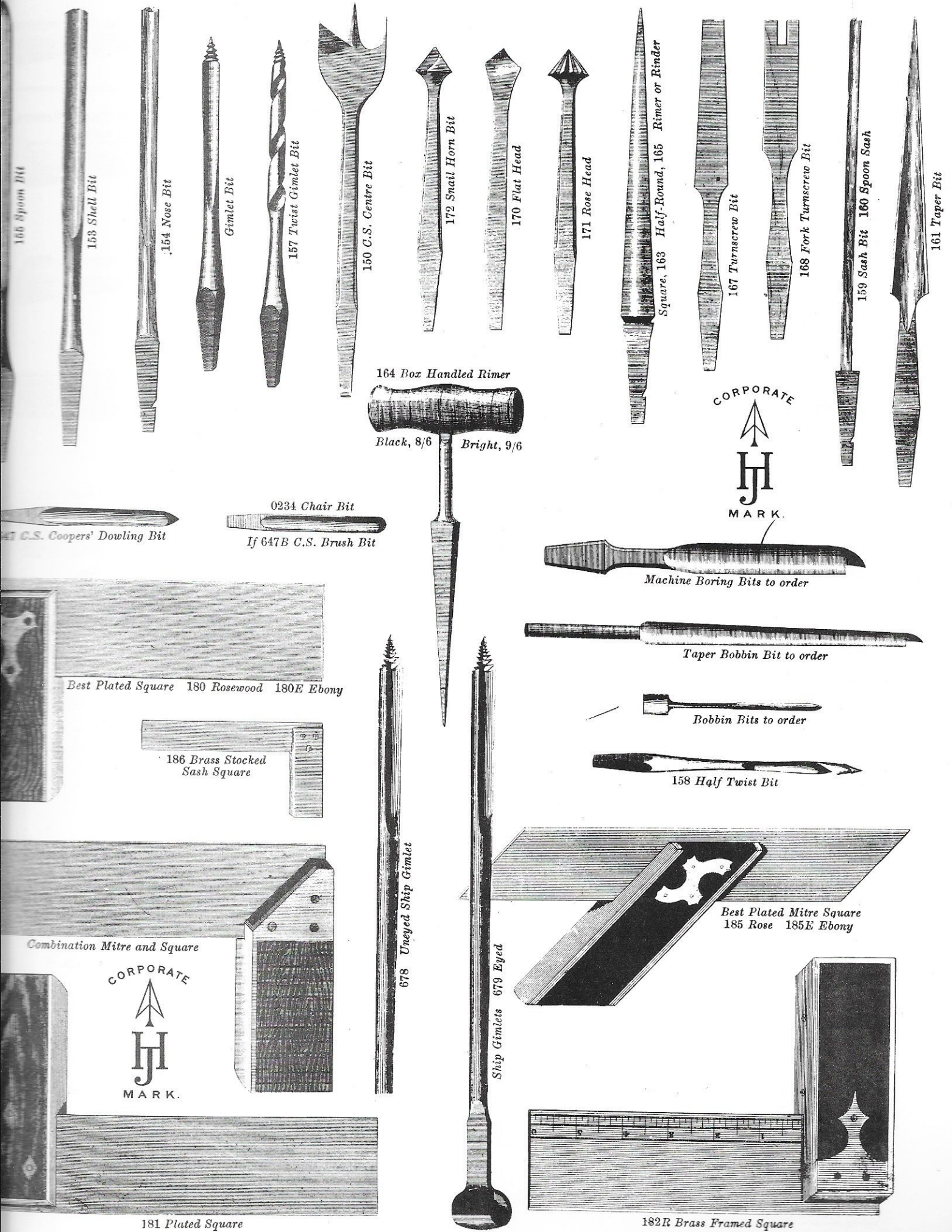
Bright, 11d. extra.

169 CAST STEEL BRACE DRILL BITS.

	Assorted to $\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{8}$	1 inch.
Black	4/	4/6	5/6	per doz.
Bright	4/11	5/5	6/5	"
Straw Coloured	5/7	6/1	7/1	"

GIMLETS. (Joiners' and Farmers'. See Sundries.)

	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 inch.
678 Ship or Bell Gimlets..	8/	9/	10/	11/	12/	14/ 16/ per doz.
679 Ditto, Eyed..	12/	13/	14/	15/	16/	18/ 20/ "
678W Wheelers' Gimlets ..	5/	6/	7/	8/6	10/	12/ 15/ "



JOINERS' TOOLS.

JOINERS' BEVELS, &c. (197 Coach T Bevel Iron Stocked, 12 inch, 36/ per dozen. If with Brass Headed Thumb Screws, 5/ per dozen extra.)

No.		7½	9	10½	12	15 inches on blade.
194½	Plated T Bevels, Rivetted	24/	26/	28/	30/	38/ per dozen.
194½	Best do. do., Screwed	28/	32/	36/	40/	46/ "
195	Rosewood Improved Sliding do.	32/	36/	40/	44/	56/ "
195E	Ebony do. do.	33/	37/	41/	45/	57/ "
196	Brass Sliding Bevel, Diamond Pattern	42/	48/	54/	60/	"
A194½	Plated Angle Bevels, Rivetted	28/	30/	33/	36/	"
A194½	Best do. do., Screwed	34/	38/	42/	46/	"
201	Masons' Iron Shift Stock Bevels	16/	20/	24/	28/	"
202	Do. Brass do. do.	28/	36/	42/	48/	"
203	Rosewood London Pattern Bricklayers, Bevels, 36/ per dozen.					

Bright Plasterers' Sheet Steel Angle Bevels, to order.

Black Masons' Sheet Steel Toothed Cockscorns, to order.

BOAT BUILDERS' BEVELS.

198	12 in., two Beech Blades, Common	8/ per dozen.
198B	12 in., two Brass Blades, Common	16/ "
199	12 in., do. do. Rosewood, Plated	20/ "
200	12 in., do. do. Boxwood, Rule Marked ..	20/ "

} Double Plated, 6/ extra.

SPOKESHAVES, With Cast Steel Irons.

	1½	1¾	2	2¼	2½	2¾	3	3½	4	4½	5	5½	6 inches on Cutting Part.
210	Beechwood Spokeshaves	12/	12/	12/	12/	14/	14/	16/	18/	24/	30/	36/	42/ per dozen.
211	Do. Round faced Round Back Irons ..	13/	13/	13/	13/	15/6	15/6						
213	Do. Plated	16/	18/	18/	18/	21/	25/	30/	35/	42/	48/		"
213R	Do. do. Round faced Round Back Irons	17/	19/6	19/6									"
214	Do. do. Thumb-screwed Irons	34/	38/	38/	42/	48/	54/	62/	72/	84/			"
212	Do. London Pattern, Skew Mouthed	17/	21/	21/	25/	30/							"
217	Do. do. Wheelers' or Coachmakers'	22/	26/	26/	30/	34/	38/	42/					"
505	Do. Coopers' Spokeshaves, Best Irons					34/	36/	38/	44/	50/			"
505½	Do. do. Bent or inside					46/	48/	50/	56/	62/			"
505½	If Boxed in, 5/ per doz. extra to 5 inch; all above, 6/ per doz. extra.												

BEST BOXWOOD SPOKESHAVES, with Cast Steel Irons.

	1½	1¾	2	2¼	2½	2¾	3	3½	4	4½ inches on Cutting Part.
223	Boxwood Spokeshaves	18/	18/	18/	18/	18/	20/	20/	24/	28/ 36/ per dozen.
224	Do. Round faced and Round Back Irons	19/	19/	19/	19/	19/	21/6	21/6		"
223P	Do. Plated	24/	27/	27/	30/	36/	46/			"
224P	Do. do. Round faced and Round Back Irons	25/	28/6	28/6						"
223S	Do. Plain Screw Irons	40/	44/	50/	62/					"
224S	Do. Plated and Screwed Irons	45/	50/	56/	70/					"
225	Do. London Pattern, Box Shaves, Skew Mouthed	21/	26/	32/	38/					"

EBONY AND ROSEWOOD SPOKESHAVES, with Cast Steel Irons.

	1½ to 2½	3	3½ inches.
226	Rosewood	21/	24/ 30/ per dozen.
226L	Do. London Pattern, Skew Mouthed	24/	29/ 34/ "
227	Ebony	30/	34/ 42/ "
227L	Do. London Pattern, Skew Mouthed	33/	39/ 48/ "

} Brass or Ivory Plated, extra.

BEST CAST STEEL SPOKESHAVE IRONS. (Assorted 2 to 4 inches, 6/0 per dozen.)

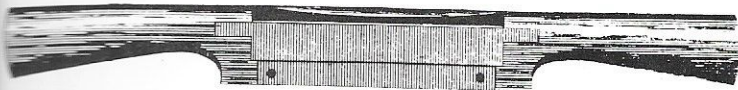
	To 2½	3	3½	4	4½	5	5½	6 inches.
228	C. S. Joiners' Spokeshave Irons	5/3	5/9	6/6	7/6	9/	10/6	12/ 15/ per dozen.
230	Do. London Pattern do.	6/6	7/	8/	9/			"
232	Coach or Chair Spokeshave Irons, Strong ..	6/	6/9	7/9	9/3	10/6	12/	13/ 16/ "
233	Wheelers', or Strong Chair	7/6	8/6	9/3	11/	12/6		"
233L	London Pattern Wheelers' Irons	9/	10/	12/	15/	18/		"
616	Best Coopers' Shave do.			12/	13/	14/	16/	20/ "

TURNSCREWS, warranted Solid Cast Steel Blades, Spring Temper, let in strong Brass Ferrules. (Black, 236, price as 235. and Scotch Pattern, 235½.)

						3	4	5	6	7	8	9	10	11	12	14	15	16	18	inches on Blade.
235	Bright London Turnscrows, Beech Flat Handles....					8/	9/6	11/	13/	16/	18/6	21/	25/6	29/	33/	41/	45/	49/	58/	per dozen.
						3	4	5	6	7	8	9	10	11	12	inches on Blade.				
235O	Do.	do.	do.	do.	Oval do.	11/	13/	14/6	17/	21/	24/6	28/	33/3	37/	41/	per dozen.				
235B	Do.	do.	do.	Box or Rose Flat do.	12/	15/	18/	21/	24/	28/	32/	36/	41/	46/	„					
237	Do.	do.	do.	do.	Oval do. ..	15/6	17/6	21/	25/	29/	34/	39/	44/	49/	54/	„				
235E	Do.	do.	do.	Ebony Flat do. ..	14/	17/	20/	23/	27/	31/	35/	40/	45/	50/	„					
237E	Do.	do.	do.	do.	Oval do.	17/6	19/6	23/	27/	32/	37/	42/	48/	53/	58/	„				

FANCY TURNSCREWS.

242	Gentlemen's Fancy Turnscrows, Hardwood Handles, Assorted in Sets, 2½ to 4 inch, 7/ per dozen; all 4 inch, 9/ per dozen.
244	Do. do. do. Turned Shanks, Small, Middle, and Large Sizes for Flasks, Guns, &c. Suitable also for Watchmakers, assorted, 12/ per dozen.
245	Sewing Machine Turnscrows, Round, 4/0 per dozen.
246	Sewing Machine Turnscrows, Flat Blades let in, 5/6 per dozen.



213 Plated Shave



214 Spokeshave with Screwed Iron



Beech Strong Chairmakers', &c. 218 to 220



1 1/2 to 2 Round Faced and Round Backed Irons,
Nos. 211 Beech, 13/; and 224 Box, 19/



Spokeshaves 210 Beech 223 Boxwood

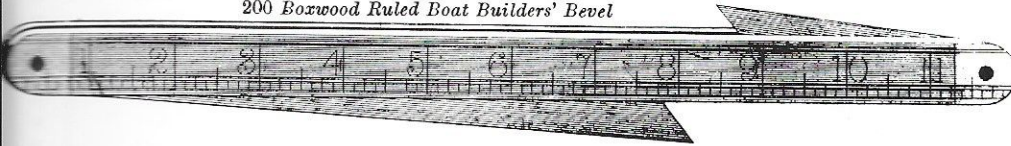


1 1/2 Extra Small Boxwood Spokeshave, 22/



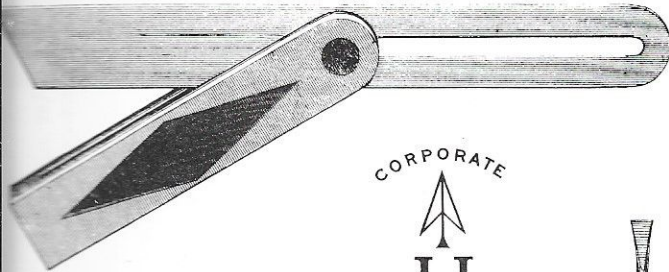
616 Coopers' Spokeshave Iron

200 Boxwood Ruled Boat Builders' Bevel

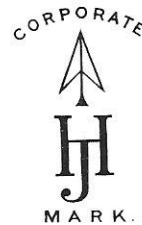
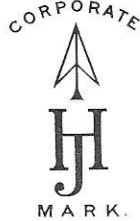
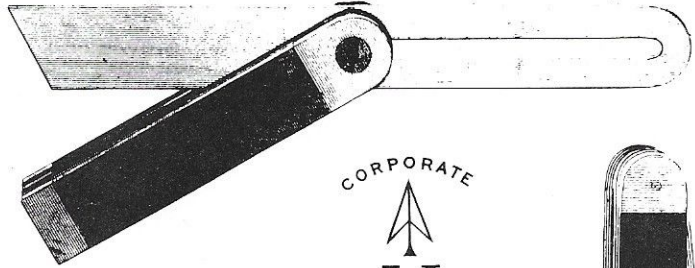


228 C.S. Joiners' Shave Irons
232 C.S. Coach or Chair
233 C.S. Wheelers'

196 Brass Mounted Sliding Bevel, Diamond Pattern



Improved Sliding Bevel 195 Rosewood 195E Ebony



2350 Oval Handled London Pattern



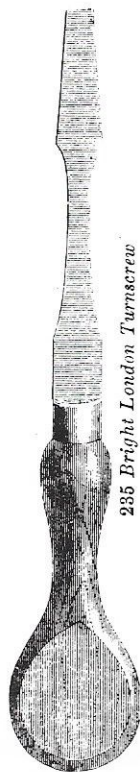
235 1/2 Scotch Pattern, prices as 235



289 Cabinet Turnscrew Ovaled If Flat Handle, 238



Spindle Turnscrew, with Oval Handle to net prices



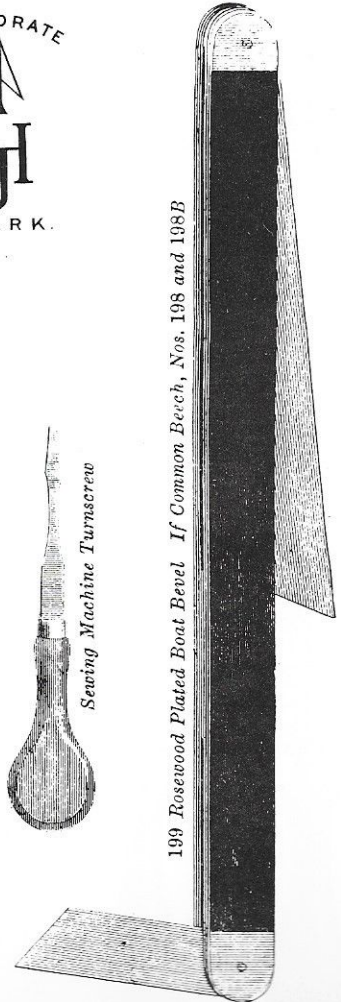
235 Bright London Turnscrew



242 Gents' Turnscrew



Sewing Machine Turnscrew



199 Rosewood Plated Boat Bevel If Common Beech, Nos. 198 and 198B

JOINERS' TOOLS, &c.

No.	PIANO or CABINET TURNSCREWS, Round Cast Steel Blades.												inches on Blade.
				3	4	5	6	7	8	9	10	11	12
238	Cabinet or Piano Turnscrows, Beech Flat Handles	9/6	11/	13/	16/	18/6	21/	25/6	29/	33/	38/	46/	per dozen.
239	Do. do. do. do. Oval do.	12/6	14/6	16/6	20/	23/6	27/	32/6	36/9	41/	46/	51/	"
238B	Do. do. do. Box or Rose Flat do.	13/6	16/6	20/	24/	26/6	30/6	36/6	40/6	45/	51/	59/	"
240	Do. do. do. do. Oval do.	16/6	20/	23/6	28/	31/6	36/6	43/6	48/	53/	59/	66/	"
238E	Do. do. do. Ebony Flat do.	15/6	18/6	22/	26/	29/6	33/6	39/6	44/6	49/	55/	63/	"
240E	Do. do. do. do. Oval do.	18/6	22/	25/6	30/	34/6	39/6	46/6	52/	57/	63/	71/	"

MARKING GAUGES.

250C	Common Beechwood Marking Gauges	8/	per dozen.
250	Best Beechwood Marking Gauges	10/	"
252	Do. Ring Plated do.	13/	"
252H	Do. Head faced with Brass, do.	22/	"
252S	Do. and Stem do.	36/	"
253	Do. Hardwood Marking do.	19/	"

CUTTING GAUGES.

260	Beechwood Cutting Gauges	13/	per dozen.
261	Do. Ring Plated do.	16/	"
262	Hardwood Cutting do.	22/	"
264	Do. Brass-Hooped do.	28/	"
266	Do. Head faced do.	40/	"
266S	Do. Head and Stem do.	52/	"
267	Plain Rosewood New Cutting Gauge, 36/; Ebony	40/	"
267S	Shield Plated do. do. 42/; do.	46/	"
267	Do. and Ring Plated, Rose do. 46/; do.	50/	"
268	Do. and Head faced do. do. 54/; do.	58/	"
269	Ebony Improved Cutting Gauges, Oval Heads.....	60/	"

If with Brass Thumb Screws to heads, 5/ per dozen extra.

MORTICE GAUGES.

	Split Stem Mortice Gauges	18/	per doz.
	Improved Split Stem do.	22/	"
270	Brass Slide do.	28/	"
271	Best do. and Shield do.	34/	"
272	Do. do. Ring Plated do.	40/	"
272M	Do. do. Head faced do.	48/	"
274	Thumb, or 273 Turnscrow Slide, Ring Plated, Rosewood	56/	"
	Do. do. do. do. Ebony ..	60/	"
273H	Screw Slide do. Head faced, Rosewood	68/	"
	Do. do. do. do. Ebony	72/	"
275	New Flush End, Ring Plated, Rosewood	63/	"
	Do. do. do. do. Ebony	67/	"
275H	Do. do. Head faced, Rosewood	75/	"
	Do. do. do. do. Ebony	79/	"
276	Reverse End Mortice Gauges, Ring Plated, Rosewood	66/	"
	Do. do. do. do. Ebony ..	70/	"
281	Improved Mortice Gauges, with Improved Stem, Head	100/	"
	faced, Rosewood	104/	"
	Do. do. do. do. Ebony ..	104/	"
280	Registered Brass Stem, Head faced, Rosewood	72/	"
	Do. do. do. do. Ebony	76/	"

TURNING SAWS and FRAMES, Oiled or Polished. Worked Stretchers.

	To	10	12	14	16	18	20	22	24	26	inch Blades.
282	Beech Handled Turning Saws and Frames	54/	60/	64/	76/	88/	100/	112/	124/	136/	per dozen.
283	Boxwood do. do. do.	60/	66/	70/	85/	97/	112/	124/	136/	148/	with London Box Octagon Handles, 4/ extra.
	To	12	14	16	18	20	24	inches.			
290	Beech Polished Round Handles only	16/	18/	20/	22/	25/	28/	per dozen pairs.			
291	Boxwood do. do. do. edge pined	22/	24/	26/	31/	34/	"	"			
293	Ebony do. do. do.	26/	28/	30/	"	"	"	"			
293	Boxwood do. Octagon do.	26/	28/	30/	"	"	"	"			

SAW PADS. (For Fret or Pad Saws, see Saws.)

297	Beechwood, small	13/	per dozen.						
298	Do. large	16/	"						
299	Rosewood, small	16/	"						
300	Do. large	18/	"						
301	Best Boxwood	24/	"						
302	Do. Ebony	30/	"						
		6	9	12	15	18	21	24	Tools.
	Boxwood Hollow Hand Pads..	5/9	7/	8/3	9/6	10/9	12/	13/6	each.
	Boxwood Pricker Pads, 8 Tools.....						24/		per dozen.
	Do. do. 8 Warranted Tools						30/		"
	Do. do. 12 Tools.....						36/		"
	Do. do. 10 Tools, Improved Wing Screw....						30/		"

SAW SETS.

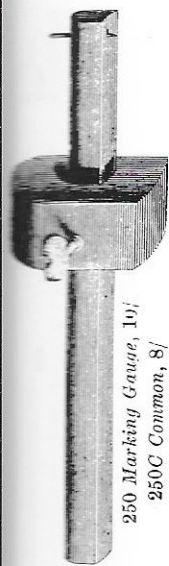
303	Beech Handled Plain Points	12/	per dozen.		
303½	Boxwood Handled	14/	"		
303E	Ebony Handled	18/	"		
	Turnscrew End, 1/ per dozen ; Forked End, 1/6 per dozen extra.				
309	Beech Handled Slide Guard Saw Sets, single edge.....	22/	doz.		
310	Box or Rose do. do. do.	24/	"		
310E	Ebony do. do. do.	26/	"		
309D	Beech do. do. do. double edges	28/	"		
311	Plyer Saw Sets.				
312	Patent Punch Saw Sets.				
F294	Bright Steel Pocket Saw Sets, 8 Gates.....	10/	per dozen.		
G294	Do. do. do. do. with Guard ..	14/	"		
		4	5	6	Gates.
313	Black Pit Saw Sets	15/	18/	21/	per dozen.
314	Extra Strong Pit and Circular Saw sets,	extra.			
314C	Circular Saw Sets, Heavy, sold nett.				

MALLETs.

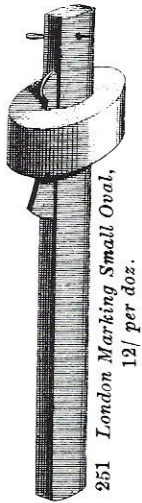
		<u>0 1 2 3 4</u>					<u>5 5½ 6 6½ 7 8 in. hd</u>												
0135	Polished Round Handled Mallets, Gent's	7/	9/	11/	14/	20/ doz.	36½	Best Cabinet, Joiners, and Carpenters'						18/	23/	26/	29/	32/	36/ doz.
	Joiners and Carpenters' do.							Morticed Mallets, Oiled only											
							36	Do. do. Polished.....						20/	25/	28/	31/	34/	38/ ,

JOINERS' TOOLS.

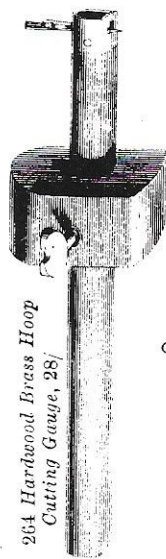
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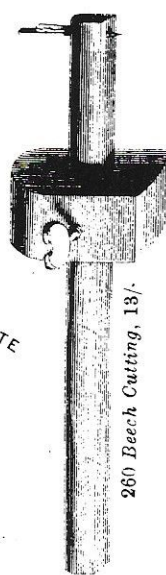
250 Marking Gauge, 10/
250C Common, 8/



251 London Marking Small Oval,
12/ per doz.



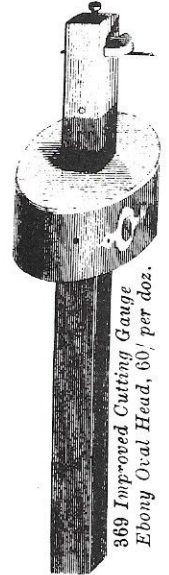
264 Hardwood Brass Hoop
Cutting Gauge, 28/



260 Beech Cutting, 13/



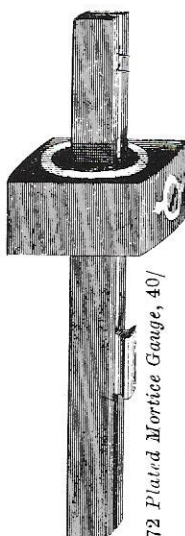
Nos. 267 1/2 to 268 New Cutting Gauge



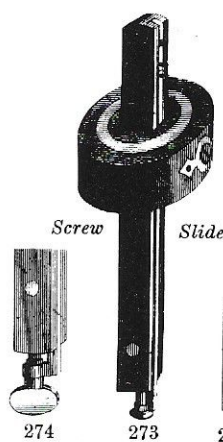
369 Improved Cutting Gauge
Ebony Oval Head, 60/ per doz.



270 Plain Brass Slide Mortice, 29/
If No. 271 with Shield, 34/



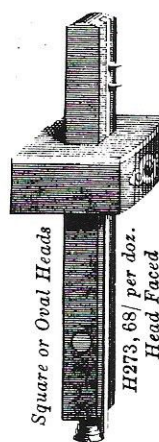
272 Plated Mortice Gauge, 40/



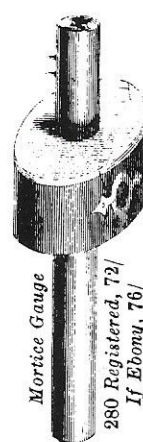
274 Ring Plated, 56/
Head Faced, 68/
If Ebony, 4/ per doz. extra



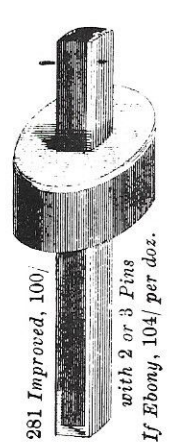
275 H75/
Head Faced



H273, 68/ per doz.
Head Faced



280 Registered, 72/
If Ebony, 76/



281 Improved, 100/
with 2 or 3 Pins
If Ebony, 104/ per doz.



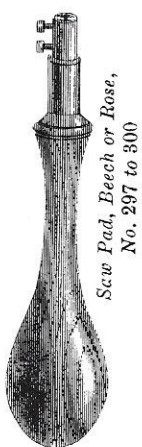
361 Morticed Mallet



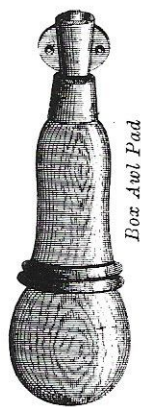
Saw Frame Handle



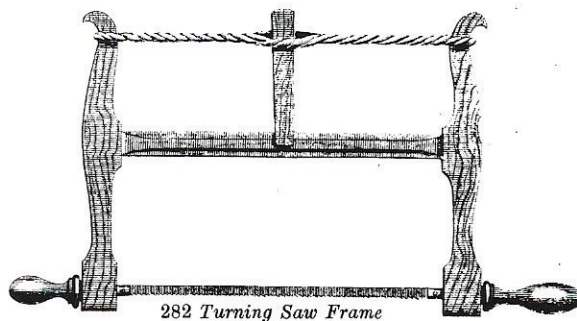
Best Saw Pad 301 Box, 24/
302 Ebony, 30/



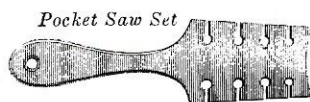
Saw Pad, Beech or Rose,
No. 297 to 300



Box Awl Pad



282 Turning Saw Frame

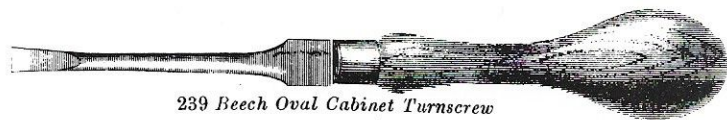


Pocket Saw Set

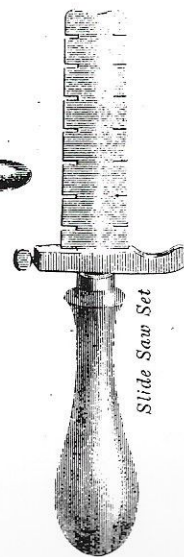
F294 8 Gates, 10/ G294 with Guard, 14/



313 Pit Saw Set



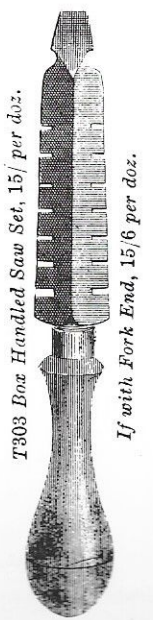
239 Beech Oval Cabinet Turncrew



Slide Saw Set



Saw Set 303 Beech, 12/
303 1/2 Box, 14/



T303 Box Handled Saw Set, 15/ per doz.
If with Fork End, 15/6 per doz.

JOINERS' TOOLS, &c.

215	Circular Beech Spokeshaves for Hollow Surface Work.....	$2\frac{1}{2}$	$2\frac{3}{4}$	3	inches.	
216	Brass Plated Circular Spokeshaves " "	19/0	22/0	22/	per dozen.	If strong Irons, extra price.
		23/9	26/9	26/9	"	" " "

COACH WHEELERS' and CHAIR SHAVES.

		2	2½	3	3½	4 inches on Cutting Part.			
217	Beech Coach or Wheelers' Spokeshaves, Extra Strong Irons, London Pattern	22/0	22/0	22/0	26/0	26/0	30/0	34/0	per dozen.
218	Oiled Strong Beech Chair or Wheelers' " " " Country Pattern	17/6	17/6	17/6	20/9	20/9	23/6	26/6	"
219	" " " " or Coach " Strong Irons	16/9	16/9	16/9	19/0	19/0	21/9	24/8	"
220	" " " Chairmakers' " Ordinary Irons	15/0	15/0	15/0	17/6	17/6	20/0	22/6	"
221	" " " " or Rabbiting Spokeshaves, Boxwood Fence, 27/0 per dozen	1½ to 2½ inch.							
222	" " " " Shaves, Double Irons Boxed in, 3½ x 1½ inch, 5/6 each; 3 x 1, 5/3 each.								

Spokeshaves for Circular Mouldings, &c., made to order.

SPIRIT LEVELS. Warranted Correct.

No.		8	9	10	12	14	inches.
315	Best Strong Sheffield Pattern, Plated on Rosewood, Side Sight	40/0	44/0	48/0	56/0	66/0	per dozen.
316	Double Plated	52/0	58/0	64/0	76/0	88/0	"
319	Walnut Wood, or Mahogany	26/0	29/0	33/0	39/0	46/0	"
320	Tipped Ends	33/0	35/0	39/0	46/0	52/0	"
321	Double Plated	44/0	47/0	51/0	64/0	78/0	"
		8	9	10	12	inches.	
340	Lancashire Pattern, Narrow Rose, Plain	21/0	22/0	23/0	24/0	per dozen.	
341	" " " " Tipped	24/0	25/0	26/0	27/0	"	
342	" " " " Double Tipped	32/0	33/0	34/0	36/0	"	
343	" " " " Double Tipped and Side Sight	34/0	34/6	36/0	39/0	"	
344	Glasgow Pattern, Double Tipped, Ebony, Side Sight, Ornamented..	..	..	60/0	69/0	"	
345	Scotch " Best Rosewood, Plain, Side Sight	38/0	40/0	42/0	44/0	"	
346	" " " " Tipped	42/0	44/0	45/0	50/0	"	
347	Rosewood Level, Raised Face, Plain, 10 inch, 47/0 per doz.	348	If Tipped, 10 inch, 50/0	50/0	per doz.		

		6	8	9	10	12	14 inches.
326	Square, Brass Case, with Side Sight.....	30/0	38/0	42/0	48/0	57/0	66/0 per dozen.
327	With Plumb and Side Sight, Walnut .....	..	48/0	51/0	54/0	64/0	75/0 "
328	" " " and Shield .....	..	58/0	57/0	64/0	72/0	82/0 "
329	With Field or End Sight, Walnut.....	..	52/0	58/0	64/0	76/0	88/0 "
330	" " " and Plumb mounted..	..	64/0	70/0	76/0	88/0	99/0 "
331	Walnut Masons' Levels, 12 inches, 27/0.						
332	Box Masons' Levels, Ruled, 12 inches, 39/0.						
333	Box Masons' Levels, with Plumb Ruled, 12 inches, 48/0.						

		2	2½	3	3½	4	4½	5	inches.
337	Best Proved Spirit Level Tubes.....	6/0	6/0	6/0	6/6	7/0	7/6	8/0	per dozen.
337	Labeled, " " " extra prices.								

1789	Strong Level, with Plumb and Side Sight, 10 in., 74/; 12 in., 90/ per dozen. End " " 10 in., 68/; 12 in., 84/ " Small Billiard Level, in Boxwood Case, for Pocket, 16/ per dozen.		343F Levels to 10½ in., 36/ per dozen.
1788			348 " " 10 in., 50/ "
			323 " " 10½ in., 48/ "
		6 8 10 12 inches.	
1791	Engineers' Brass Tube Level, with Guard..	60/ 80/ 100/ 120/ per doz.	

WHEELERS' ROUNDERS.

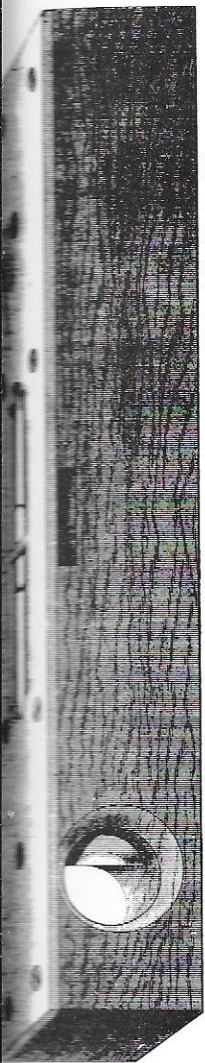
To	$\frac{4}{8}$	$\frac{3}{4}$	$\frac{2}{3}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	inch.
	5/	5/6	6/	6/6	7/	7/6	8/	8/6	each.

STOPS, PLATES, &c., for Plane Makers.

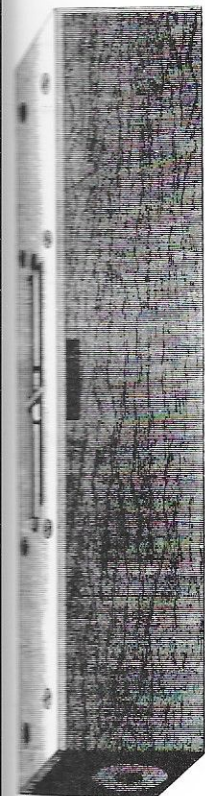
0140	Best Plough Plane Stops, 26/ per dozen.	0141	With Screw at side, 30/ per dozen.
0142	„ Improved Sash Filister Stops, Screw at Side, 27/ per dozen.		
0143	„ Improved Moving Filister Stops, „ 25/ „		
0144	Dado or Trenching Plane Stops, 16/ per dozen.		
0145	Best Plough Plates, Steel, 20/ per dozen.	0146	Scotch Pattern, with Fore End, 26/ per dozen.
	Plane Iron and Filister Screws, &c., to order.		Top Irons and Soft Irons to special net prices for quantities.
	Castings, Brass Hoops, Diamonds, and Fittings, &c., &c., sold by weight to net prices.		

SCREW BOXES and TAPS.

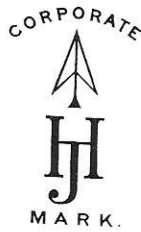
061	$\frac{1}{4}$ to $\frac{3}{8}$	$\frac{7}{8}$	$\frac{1}{2}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$ inches.
Screw Boxes, with Taps....	3/6	4/0	4/6	5/0	5/6	6/0	7/0	8/0	9/0	10/0	13/0	17/0	21/0 each.
Brass Bushed, extra price.	Extra Loose Taps sold net.			Screw Boxes, all Brass, to order.									



1789 Strong Spirit Level, with Plumb and Side Sight, 10-in. 74/; 12-in. 90/



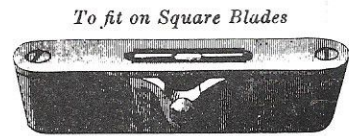
1788 Strong Spirit Level, End and Side View, 10-in. 68/; 12-in. 84/



Pocket Level in Box Case, 16/ per doz.

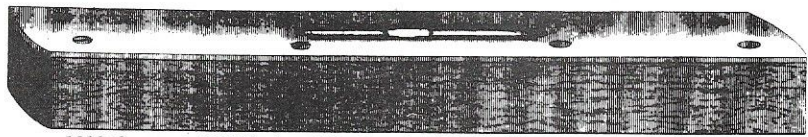


337 Best Proved Spirit Level Tube



To fit on Square Blades

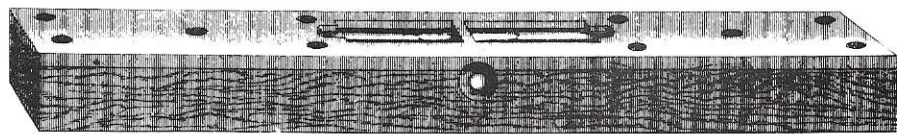
Iron Level, 12/ Brass, 24/



1212 Common 319 Plain 320 Tipped 321 Double Plated Walnut Level



323 Edinburgh Pattern, Ebony, to 10½-in. 48/ per doz.



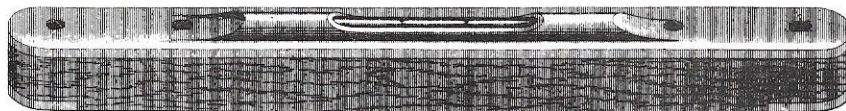
315 Best Rosewood Strong Sheffield Pattern 316 If Double Plated



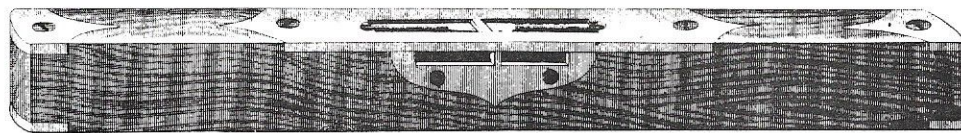
343F Narrow Tipped, with Side Sight, to 10½-in. 36/ per doz.



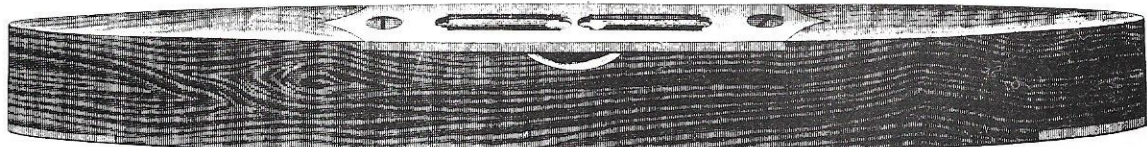
346 Rosewood Best Scotch Side Sight. Tipped Ends; if Ebony, 4/ per doz. extra



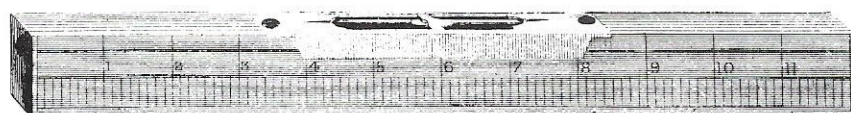
348 Raised Face, Tipped Ends, 10-in. 50/ Rosewood; 54/ Ebony, per doz.



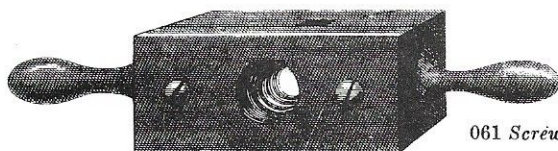
344 Glasgow Pattern If Lancashire Pattern, Nos. 340 to 343



H261 Rosewood Level, Tapered Ends, 12-in. 39/ per doz.



332 12-in. Masons' Boxwood Spirit Level, 39/; if with Plumb at end, 333, 48/ per doz.



061 Screw Box and Tap



AUGERS.

In consequence of considerable advances both in Wages and Materials, it was unanimously resolved at a General Meeting of Auger and Tool Manufacturers, held at the Cutlers' Hall, Sheffield, on the 1st May, 1873, that the following List of Prices be adopted by the Trade from the 12th May, 1873.—J. H. and Sons.

N.B.—Throughout this List, French Measures are computed as under:—

Inches	....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$	2	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{8}$	2 $\frac{1}{2}$	2 $\frac{5}{8}$	2 $\frac{3}{4}$	3
Lignes	....	2	2 $\frac{1}{2}$	3	4	4 $\frac{1}{2}$	5	5 $\frac{1}{2}$	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

JOINERS' & SHIP CARPENTERS' SHELL AUGERS, 1-in., 18-in. long up to Eye.

		$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$	1 $\frac{7}{8}$	2 inches.
390	Carpenters' Shell Augers, tanged	9/	9/	10/6	18/6	15/	17/	18/6	23/	25/	30/	32/	38/6	42/	51/ doz.
391	Do. do. barrel eye, 12-in shank	14/6	14/6	16/	19/6	21/	24/	26/6	32/	35/	40/	43/	50/6	55/	65/
225	Do. do. bonnet eye, do.	12/6	12/6	14/	17/6	19/	21/6	24/	29/6	32/6	37/6	40/6	48/	52/	62/ "
392	Short Ship Shell Augers	9/	9/	10/6	18/6	15/	17/	18/6	23/	25/	30/	32/	38/6	42/	51/ "
393	Long do.	11/6	11/6	13/	16/	18/6	21/6	25/6	28/	31/	36/6	39/	44/	48/	60/ "

SCREW AUGERS, 1-in., 18-in. long up to Eye. All One-sixteenths not specified in the List charged as size above.

		$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$	2	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{8}$	2 $\frac{1}{2}$	2 $\frac{5}{8}$	2 $\frac{3}{4}$	3
394	Carpenters' Black Screw Augers, tanged	13/	13/	14/	16/	18/6	21/	23/6	26/	28/6	34/	38/	41/6	50/	55/	65/	66/	67/	68/	69/	70/	71/
396	Ditto Bright do., tanged	15/6	15/6	16/6	19/6	22/	24/6	27/6	31/	36/	41/	45/6	49/6	59/	64/	74/	75/	76/	77/	78/	79/	80/
397	Ditto do. barrel eye, 12-in. shank	20/6	20/6	22/6	25/6	28/	31/6	35/6	40/	46/	51/6	56/6	61/6	72/	78/	83/	84/	85/	86/	87/	88/	89/
213	Ditto do. do. bonnet eye, do.	18/6	18/6	20/6	23/6	26/	29/	33/	37/6	43/6	49/	54/	59/	69/	75/	80/	81/	82/	83/	84/	85/	86/
395	Ditto Black do. barrel eye, do.	18/	18/	19/6	22/	24/6	28/	31/6	35/	38/6	44/6	49/	53/6	63/	69/	74/	75/	76/	77/	78/	79/	80/
215	Ditto do. do. bonnet eye, do.	16/	16/	17/6	20/	22/6	25/6	29/	32/6	36/	42/	46/6	51/	60/	66/	71/	72/	73/	74/	75/	76/	77/

SCREW AUGERS—Feather Edged.

		$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$	2	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{8}$	2 $\frac{1}{2}$	2 $\frac{5}{8}$	2 $\frac{3}{4}$	3
399	Feather-edge Carpenters' Bright Screw Augers, barrel eye	22/	22/	24/	27/6	30/6	34/6	39/	44/	50/6	57/	62/6	68/	79/	86/	96/	97/	98/	99/	100/	101/	102/
219	Do. do. do. do. bonnet eye	20/	20/	22/	25/6	28/6	32/	36/6	41/6	48/	54/6	60/	65/6	76/	83/	93/	94/	95/	96/	97/	98/	99/
220	Do. do. Black do. barrel eye	19/6	19/6	21/	24/	27/	31/	35/	39/	43/	49/6	55/	60/	70/	77/	87/	88/	89/	90/	91/	92/	93/
221	Do. do. do. do. bonnet eye	17/6	17/6	19/	22/	25/	28/6	32/6	36/6	40/6	47/6	52/6	57/6	67/	74/	84/	85/	86/	87/	88/	89/	90/
398	Do. do. Bright do. tanged	17/	17/	18/	21/6	24/6	27/6	31/	35/	40/6	46/6	51/6	56/6	66/	72/	82/	83/	84/	85/	86/	87/	88/
223	Do. do. Black do. tanged	14/6	14/6	15/6	18/	21/	24/	27/	30/	33/	39/6	44/	48/	57/	63/	73/	74/	75/	76/	77/	78/	79/
	Any of the above with Bright Noses	3/	3/	3/6	4/	4/6	5/	5/6	6/	6/6	7/	7/6	8/	9/	10/	11/	12/	13/	14/	15/	16/	17/
	Any of the above with Trace Spur or Nicker	2/6	2/6	2/6	3/	3/	3/6	4/	4/6	5/	5/6	6/	6/	7/	8/	9/	10/	11/	12/	13/	14/	15/

SCOTCH SCREW AUGERS, 1-in., 25-in long up to Eye.

		$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$	2	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{8}$	2 $\frac{1}{2}$	2 $\frac{5}{8}$	2 $\frac{3}{4}$	3
400	Bright Scotch Screw Auger, barrel eye	23/	23/	26/	31/6	34/6	39/	43/6	50/	53/6	60/	64/	72/	77/	85/	126/	160/	220/	284/	348/	412/	476/
201	Do. do. do. do. bonnet eye	21/	21/	24/	29/6	32/6	36/6	41/	47/6	51/	57/6	61/6	69/6	74/	82/	122/	156/	216/	280/	344/	408/	472/
400B	Black do. barrel eye	20/6	20/6	23/6	28/	31/6	36/	38/6	42/	51/	56/	59/	67/	73/6	80/	120/	154/	214/	278/	342/	406/	470/
203	Do. do. do. do. bonnet eye	18/6	18/6	21/6	26/	29/6	33/6	36/	39/6	48/6	53/6	56/6	64/6	70/6	77/	117/	151/	211/	275/	339/	403/	467/
204	Bright do. tanged	18/	18/	20/6	25/6	28/6	32/	35/6	41/	43/6	49/6	53/	60/	64/	71/	111/	145/	205/	269/	333/	397/	461/
205	Black do. do. do.	15/6	15/6	18/	22/	25/6	29/	30/6	33/	41/	45/6	48/	55/	60/6	66/	106/	140/	200/	264/	328/	392/	456/

SCOTCH SCREW AUGERS—Feather Edged.

		$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$	2	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{8}$	2 $\frac{1}{2}$	2 $\frac{5}{8}$	2 $\frac{3}{4}$	3
206	Feather-edge Bright Scotch Screw Auger, barrel eye	26/	26/	29/	35/6	38/6	44/6	47/6	55/6	59/6	66/6	71/	80/	85/	94/	134/	168/	228/	292/	356/	420/	484/
207	Do. do. do. do. bonnet eye	24/	24/	27/	33/6	36/6	42/	45/	53/	57/	64/	68/6	77/6	82/	91/	131/	165/	225/	289/	353/	417/	481/
208	Do. Black do. barrel eye	24/6	24/6	27/6	33/	36/6	41/6	44/6	48/	56/6	63/6	67/6	76/6	81/6	91/	131/	165/	225/	289/	353/	417/	481/
209	Do. do. do. do. bonnet eye	22/6	22/6	25/6	31/	34/6	39/	42/	45/6	54/	61/	65/	74/	78/6	88/	128/	162/	222/	286/	350/	414/	478/
210	Do. Bright do. tanged	21/	21/	23/6	29/6	32/6	37/6	39/6	46/6	49/6	56/6	60/	68/	72/	80/	120/	154/	214/	278/	342/	406/	470/
211	Do. Black do. do.	19/6	19/6	22/	27/	30/6	34/6	36/6	39/	46/6	53/	56/6	64/6	68/6	77/	117/	151/	211/	275/	339/	403/	467/
	Any of the above with Bright Noses	4/	4/	4/6	5/	5/6	6/	6/6	7/	7/6	8/	9/	10/	11/	12/	16/	20/	26/	32/	38/	44/	50/
	Any of the above with Trace Spur or Nicker	3/	3/	3/	3/6	3/6	4/	4/6	5/	5/6	6/	6/	7/	8/	9/	10/	11/	12/	13/	14/	15/	16/

SCREW TRACE SPUR OR NICKER AUGERS, 1-in., 18-in. long up to Eye. (Jenning's Pattern.)

		$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$	2	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{8}$	2 $\frac{1}{2}$	2 $\frac{5}{8}$	2 $\frac{3}{4}$	3
229	Carpenters' Bright Screw Trace Spur or Nicker Augers, barrel eye, 12-in. shank	23/	23/	24/6	26/6	31/	35/	39/6	44/6	49/6	57/6	63/	68/6	81/	87/	127/	161/	221/	285/	349/	413/	477/
230	Do. Black do. do. do.	20/6	20/6	22/	25/6	28/	31/6	35/6	39/6	43/6	50/6	56/	61/	72/	78/	118/	152/	212/	276/	340/	404/	468/
231	Do. Bright do. do. do. bonnet eye	21/	21/	22/6	24/6	29/	32/6	37/	42/	47/	55/	60/6	66/	78/	84/	124/	158/	218/	282/	346/	410/	474/
232	Do. Black do. do. do. do.	18/6	18/6	20/	23/6	26/	29/	33/	37/	41/	48/	53/6	58/6	69/	75/	115/	149/	209/	273/	337/	401/	465/
233	Do. Bright do. do. do. do. tanged	18/	18/	19/	22/6	25/	27/6	31/6	35/6	41/	47/	52/	56/6	68/	73/	113/	147/	207/	271/	335/	399/	463/
234	Do. Black do. do. do. do. do.	15/6	15/6	16/6	19/6	21/6	24/6	27/6	30/6	33/6	40/	45/	49/	59/	64/	104/	138/	198/	262/	326/	390/	454/
	Any of the above with Bright Noses	3/	3/	3/6	4/	4/6	5/	5/6	6/	6/6	7/	7/6	8/	9/	10/	14/	18/	24/	30/	36/	42/	48/
235	Double-eyed Black Taper Screw Brick or Bell Augers	19/6	19/6	22/6	27/	30/6	35/	37/6	41/	50/	55/	58/	66/	72/6	79/	119/	153/	213/	277/	341/	405/	469/
405	Tanged Taper Augers, to order.																					
400 $\frac{1}{2}$	Bright Scotch Screw S Lip, Screws to weld, to order.																					
400 $\frac{1}{4}$	Black do. do. do. do.																					
	Black Auger Eyes, to weld, barrel or bonnet shape, to order.																					

All One-sixteenths not specified in the List charged as size above.

N.B.—All Augers above length charged in the List per dozen extra for length of Shank per inch—

Size of Auger	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$
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AUGERS.



390 Shell Auger, Tanged



392 Short Ship Shell Auger to weld



391 Shell Auger, Barrel Eye, 12 inch Shank If Bonnet Eye 225



Trace Spur



Screw Auger, Tanged 394 Black 396 Bright



213 and 215 Screw Auger, Bonnet Eye, 12 inch Shank If Barrel Eye 397, 395



Long Scotch Screw Auger, Tanged 204 Bright 205 Black



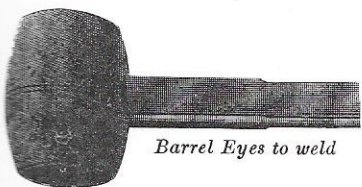
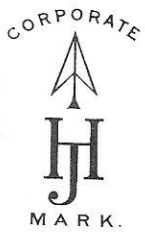
399 If Tanged Gedge's Auger



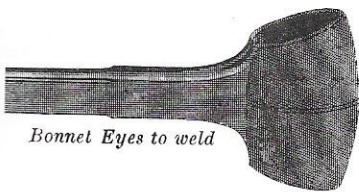
251 Gedge's Long Scotch Eyed Auger, Feather Edged 250 If ordinary Eyed Gedge's Auger



235 Black Brick or Bell Auger, Double Eyed

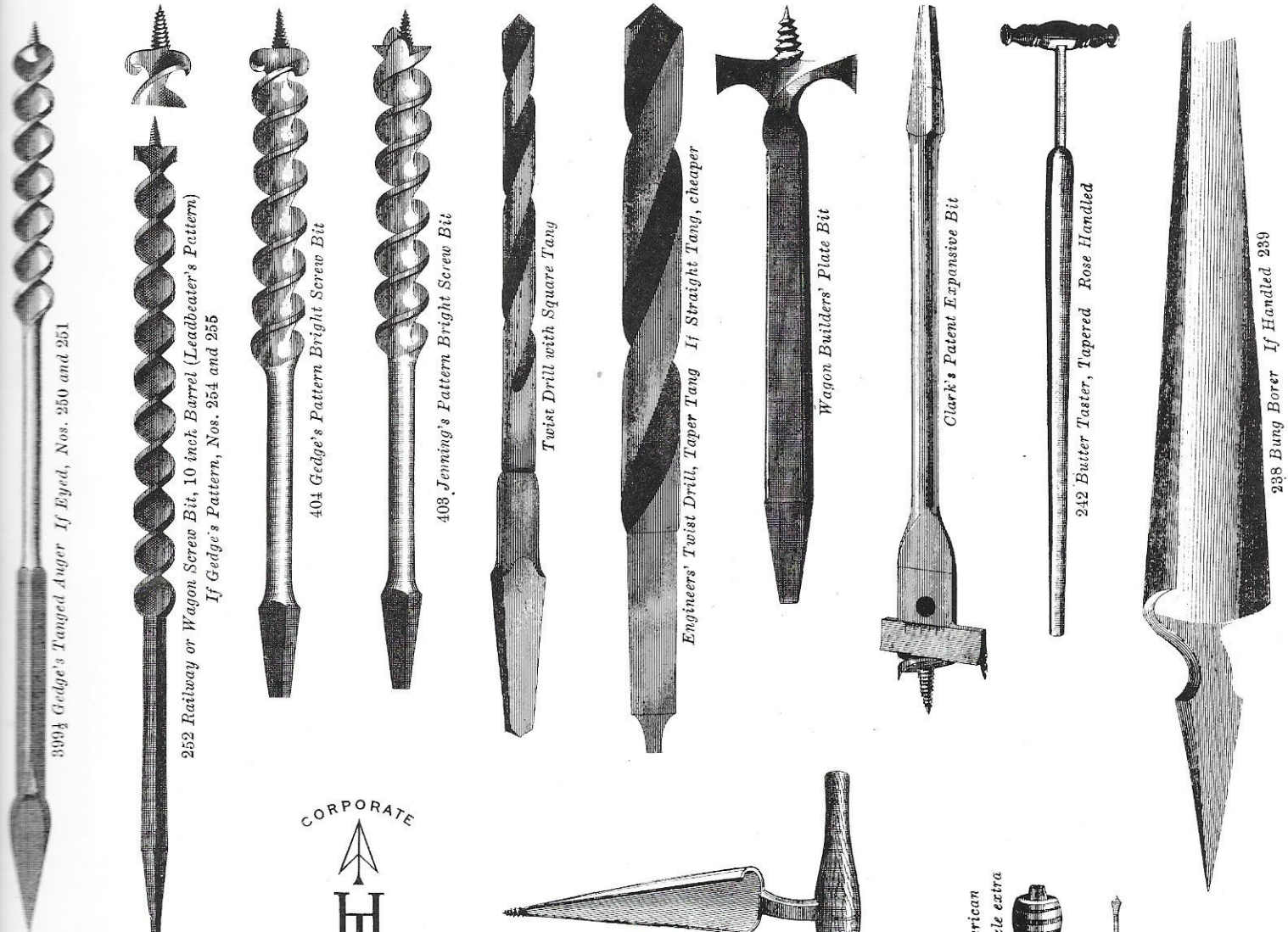


Barrel Eyes to weld



Bonnet Eyes to weld

No.		$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{13}{16}$	$\frac{7}{8}$	$\frac{15}{16}$	1	$1\frac{1}{16}$	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{2}$	$1\frac{5}{16}$	$1\frac{3}{4}$	$1\frac{7}{16}$	$1\frac{1}{2}$	in.
3991	GEDGE'S TANGED AUGERS..	13/3	13/3	13/3	13/3	14/3	15/6	16/9	18/	19/6	20/3	21/	22/	23/9	25/9	27/	28/6	30/	31/3	32/3	33/6	34/9	doz.
250	Do. EYED AUGERS ..	17/9	17/9	17/9	17/9	18/9	20/	21/3	23/9	24/9	25/6	26/6	28/6	29/9	32/3	33/6	37/9	39/	40/3	41/3	42/9	44/	"
251	Do. LONG SCOTCH EYED ..	"	"	"	"	27/6	30/	30/	36/	36/	40/	40/	46/	46/	50/	50/	58/	58/	62/	62/	70/	70/	"
	BRACE AUGER BITS, BRIGHT.	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{13}{16}$	$\frac{7}{8}$	$\frac{15}{16}$	1	$1\frac{1}{16}$	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{2}$	$1\frac{5}{16}$	$1\frac{3}{4}$	$1\frac{7}{16}$	$1\frac{1}{2}$	in.
404	GEDGE'S PATTERN SCREW BITS ..	11/	11/	11/	11/	11/6	12/9	14/3	15/6	16/9	17/6	18/3	19/6	21/	22/	23/6	24/9	26/	27/6	29/	30/	31/3	doz.
248	Do. do. SHORT DOWEL ..	11/	11/	11/	11/	11/6	12/9	14/3	15/6	16/9													"
255	Do. RAILWAY CARRIAGE ..	17/6	17/6	17/6	17/6	18/	20/9	23/3	25/9	27/6	31/3	33/	35/	37/	39/	41/3	45/6	49/3	53/3	58/9	63/6	70/3	"
254	Do. BLACK ditto ..	15/6	15/6	15/6	15/6	16/	18/9	21/3	23/9	25/6	29/3	31/	33/	35/	37/	39/3	43/6	47/3	51/3	57/9	61/6	68/3	"
403	JENNINGS' PATTERN BITS ..	14/	14/	14/	14/8	14/8	16/	17/4	18/8	20/8	22/	23/4	25/	29/9	28/4	29/8	31/	32/8	34/4	36/	37/8	39/4	"
258	Do. do. SHORT DOWEL ..	14/	14/	14/	14/8	14/8	16/	17/4	18/8	20/8													"
		$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{13}{16}$	$\frac{7}{8}$	$\frac{15}{16}$	1	$1\frac{1}{16}$	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{2}$	$1\frac{5}{16}$	$1\frac{3}{4}$	$1\frac{7}{16}$	$1\frac{1}{2}$		in.	
C252	LEADBEATER'S PATTERN WAGON BITS ..					15/4	15/4	16/	17/4	19/	21/4	23/4	25/4	27/4	28/8	30/8	32/	33/5	34/8	36/	43/	49/	doz.
252	Best do. do. do. ..					17/9	17/9	18/9	20/	21/	22/6	24/	26/3	28/	29/6	31/	32/6	34/6	35/	37/	44/6	50/6	"
						1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{4}$	4	inches	
256	Wagon Builders' Plate Centre Bits, new pattern..				22/	25/	29/	32/	36/	40/	44/	49/	54/	70/	90/	per dozen							
		2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{2}$	4	inches														
240	Pump Bits, all Steel ..	1/	1/1	1/2	1/3																		per inch nett, running in lengths.
241	Scouring Bits to follow ..			1/2	1/3	1/4	1/5	1/6															nett.
	TAP and BUNG BORERS.	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{4}$	4	inches.						
236	Tap Borers, all Steel ..	12/	13/	15/	17/	20/	24/	29/	34/	40/													per dozen.
237	Do. do., Handled ..	15/6	16/6	18/6	20/6	24/6	28/6	35/6	42/	50/													"
238	Bung Borers ..																						"
239	Do. do., Handled ..																						"
																							"
	Butter Testers, prices see page 14.																						



399½ Gedge's Tanged Auger If Eyed, Nos. 250 and 251

252 Railway or Wagon Screw Bit, 10 inch Borel (Leadbeater's Pattern) If Gedge's Pattern, Nos. 254 and 255

404 Gedge's Pattern Bright Screw Bit

408 Jenning's Pattern Bright Screw Bit

Twist Drill with Square Tang

Engineers' Twist Drill, Taper Tang If Straight Tang, cheaper

Wagon Builders' Plate Bit

Clark's Patent Expansive Bit

242 Butter Taster, Tapered Rose Handled

238 Bung Borer If Handled 239



237 Tap Borer, Handled

If with American Pattern Nozzle extra

Engineers' Brace

137 Best Wagon Builders' Brace, 7 inch Centres, 6/6 each

Best American Pattern Brace with Ratchet No. R13

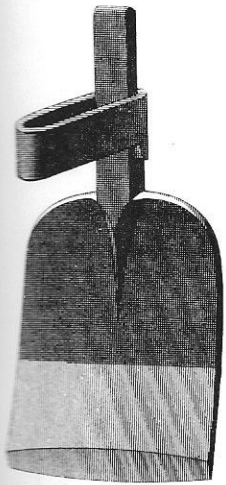
Best American Pattern Brace No. A13

Registered Hand or Breast Drill 0184 Black 0185 Bright

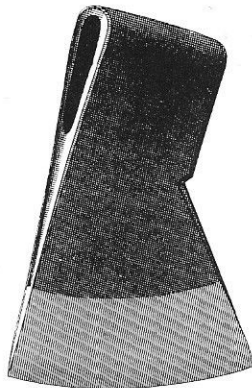
HEAVY EDGE TOOLS.

HEAVY EDGE TOOLS—Axes, Adzes, &c.

11



Brazil Adze

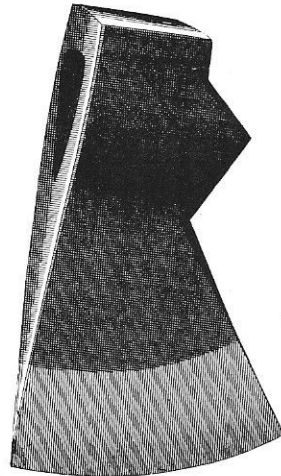


Brazil Axe

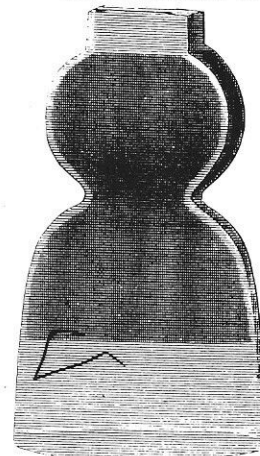
CORPORATE



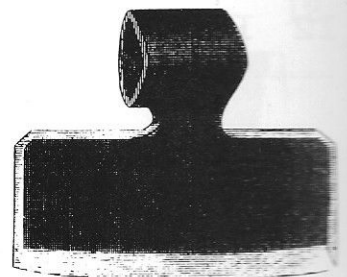
MARK.



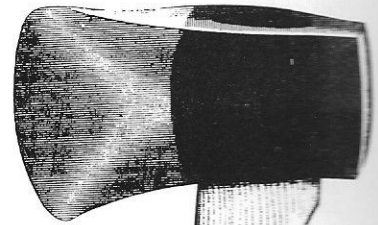
Broad Felling Axe, 11d. per lb.



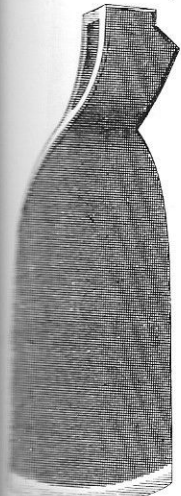
358 & 357 Scotch Axe



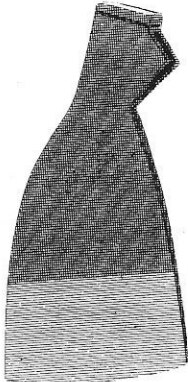
318 C.S. Electro Coopers' Axe



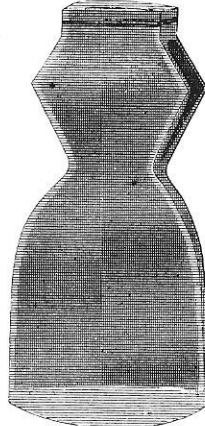
364 Cratemakers' Knives
in or out steeled



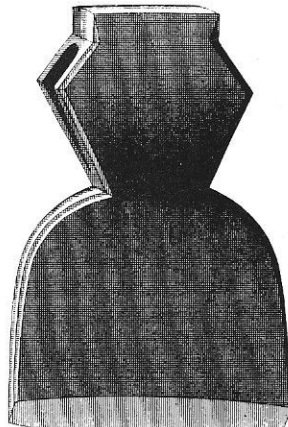
355 Wear Ship Axe



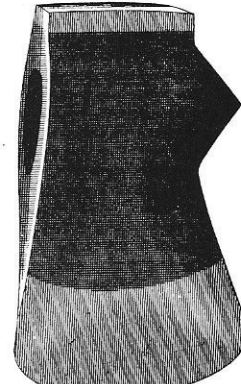
Lincoln Side Axe
If centre Steel, Newcastle



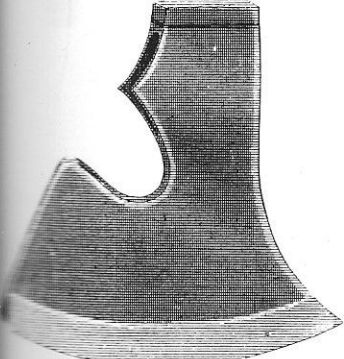
356 & 355 Suffolk Axe



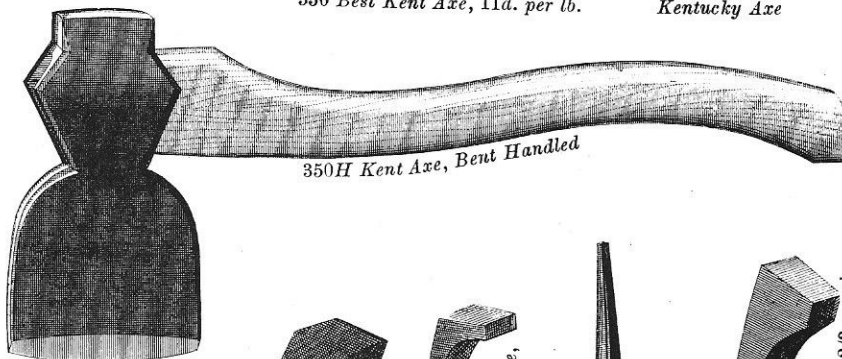
350 Best Kent Axe, 11d. per lb.



Kentucky Axe



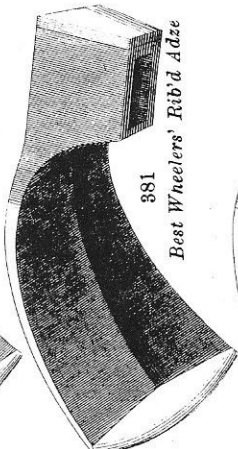
362 Best Coach Axe



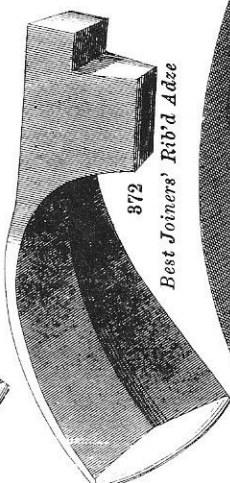
350H Kent Axe, Bent Handled



374
Best Scotch Adze



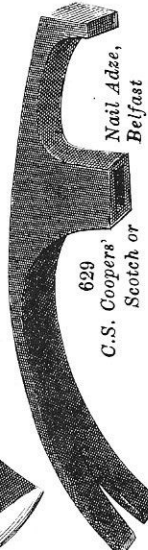
381
Best Wheelers' Rib'd Adze



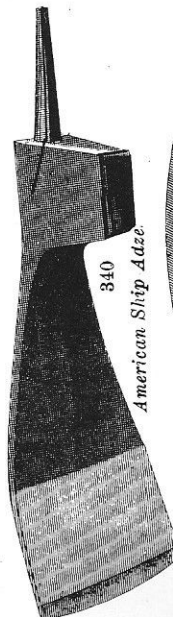
372
Best Joiners' Rib'd Adze



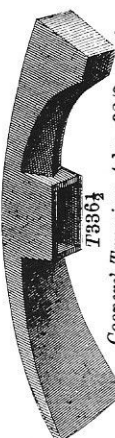
336
C.S. Electro London Coopers' Sharp Adze



629
C.S. Coopers' Nail Adze, Belfast



340
American Ship Adze



1386
Coopers' Trussing Adze, 82/3 per doz



Ship Adze No. 690 to 694



386 London Wheelers' Bruzee

Canadian Axe, Handled

NOTE.—Brazil Axes and Adzes, Broad Squaring Axes, and Canadian and Kentucky Axes; Special Net Prices for quantities quoted on receipt of Merchants' Indents.—J. H. & Sons.

12 HEAVY EDGE TOOLS, HATCHETS, CHOPPERS, TROWELS, &c.

HANDLED HATCHETS.

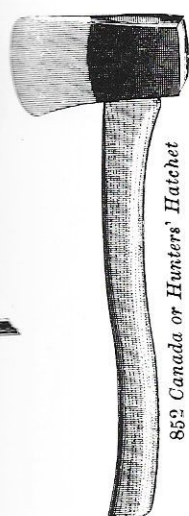
	No.	0	1	2	3	4	5	6	
845	Black Kent Hatchets, handled	14/9	15/3	16/6	18-3	20/6	23/	26/	doz.
	Bright do., do.	18/9	19/6	20/6	22/6	27/	29/6	32/3	„
846	Best Steel Polled do., do.	21/3	21/9	23/	24/9	30/6	33/0	35/3	„
847	Best Steel Polled Hatchets, bent Handles	21/3	24/9	26/	28/	34/	36/9	39/3	„
848	Electro, Polished Handles		30/3	34/	37/9	42/			„
849	Ditto, Gent's Claw, Polished Handles		33/3	39/6	44/	48/6			„
	Best Fantailed Irish Hatchets		16/	17/	18/6	21/			„
850	Best Shingling Hatchets, Handled		28/3	30/6	33/	35/3			„
S850	Ditto, strong, improved		33/	35/3	37/6	40/0			„
852	Canada, or Hunting Hatchets, half bright, Handled		35/3	40/6	46/0	50/6			„
	Shingling Hatchets, chequered head..		1/9	per dozen extra.					
P844	Best Black Coal Hatchets		24/	26/	27/9	33/6			„
A851 1/2	Best American Shingling Hatchets		30/	33/	35/6	39/	Steel bare.		„
A849 1/2	Ditto Claw do.		33/	36/	38/6	42/			„
A845	Ditto Lath do.		28/	30/	32/	34/			„
A853	Ditto Side Steel do.		40/	42/	45/	48/			„

MEAT CHOPPERS.

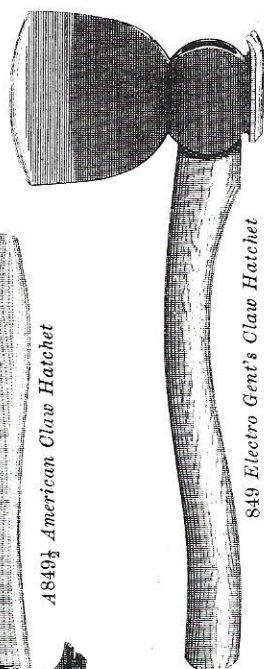
	No.	0	1	2	3	4	5	6	
786	Bright Meat Chopper, Handled	..	23	6	26/	28	3	40/	44/9 doz.
781	Round Nose Chopper, do.	..	27/	29	6	31	9	36/6	43/6 48/3 „
782	Solid C.S. do., Hardwood Handled.		37	9	40/	42	6	46/	„
815	„ „ Sugar Chopper....		17	9	18/	20	6	21/9	„
853	Beef Steak Beaters, 33" per dozen.				854	Scale Tang, 47" per dozen.			
791	Bright Iron Handled Butchers' Cleavers, to 3½ lbs. 1/2 per lb.; above, 1/2.								
792	Bright Scale Tanged Butchers' Cleavers, to 3½ lbs. 1/6 per lb.; above, 1/4.								

TROWELS.

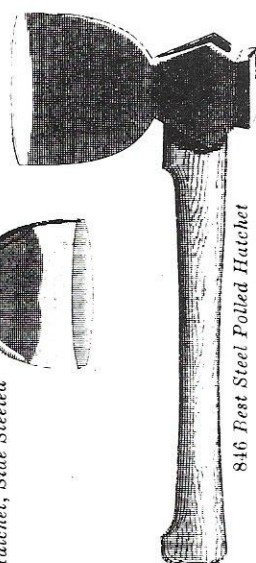
		9	9½	10	10½	11	11½	12	12½	13	14	in.				
720	C.S. London Brick.	26/	27/	28/	29/6	30/6	31/	9	32/	9	35/3	37/6	41/ doz.			
726C	Common Brick	14/	14/6	15/	16/	16/6	18/	19/					"			
726G	Ditto Glazed ..	15/	15/6	16/	17/	17/6	19/	20/					"			
		8	8½	9	9½	10	10½	11	11½	12	in.					
725	C.S. Masons'	27/6	28/	28/6	29/6	30/6	32/	33/					doz.			
726	Common do.	12/	13/	14/	14/6	15/	15/6	16/	17/	18/			"			
		Glazed, 1/ extra.														
	C. S. Railway Trowels, Through Tanged and Capped, 3/ per doz. extra.															
	Extra Strong Thro' Tang Trowels, with Iron Cap, 7/ per dozen extra.															
727	C.S. Edinbro' d'ble. } hooped Masons' } or Slaters' }	5	5½	6	6½	7	7½	8	8½	9	in.					
												26/6	27/	28/6	30/6	doz.
728	Common Edinbro' } single hooped.. }											13/	14/	15/	16/	"
730	C. S. Pointing	16/	16/	16/	17/	18/	20/	22/						"		
740	C. S. Gauging	20/		20/	20/6	21/	22/6	23/9						"		
735M	Jointing Trowels—Common, 8/.	735 Best C. S., 13/6 per doz.														
		10		10½	11	inches.										
745	Cast Steel Plastering Trowels..	28/		29/6	31/	per dozen.										
746½	Double Stayed, 4½ wide	31/8		33/4	"											
	If 4½ inch wide, 2/6 per dozen extra.															
732	Hull Tilers' Trowels, 8 × 2½. 25/ per doz.															
747	Plasterers' Moulding or Small Tools, 8/6 per doz.	Cranked, 10/. Long, 12/.														
	Iron Moulders' Trowels—Square.															
	Ditto	—Heart Shape.														
	Ditto	—Double End, Heart, and Square,														
	Iron Moulders' Cleaners, &c.	Prices on application.														



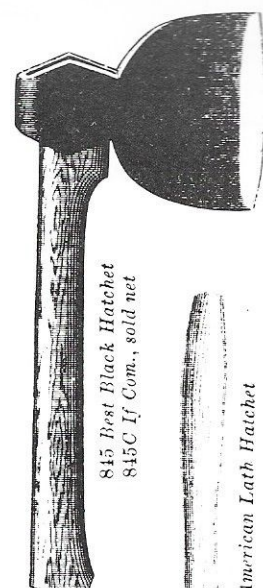
852 Canada or Hunters' Hatchet



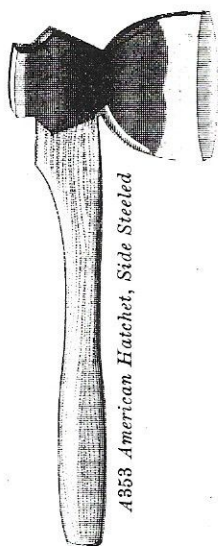
849 Electro Gen's Claw Hatchet



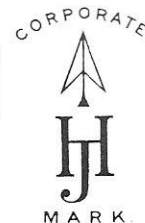
846 Best Steel Polled Hatchet



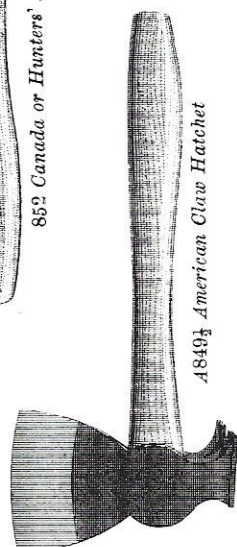
845 Best Black Hatchet
845C If Com., sold net



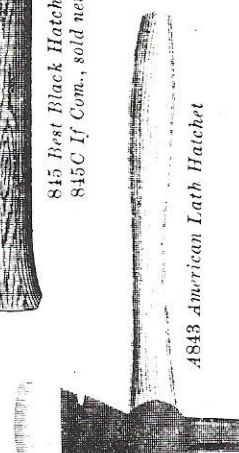
4353 American Hatchet, Side Steeled



4851 1/2 American Shingling Hatchet



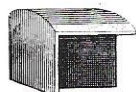
4849 1/2 American Claw Hatchet



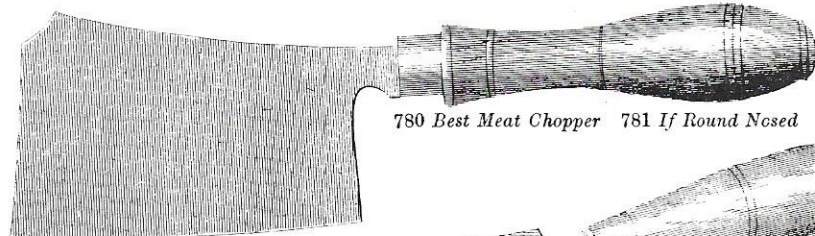
4843 American Lath Hatchet



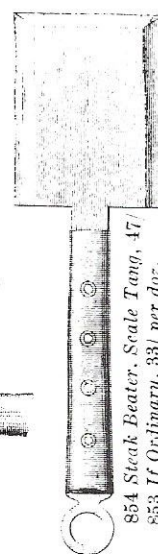
Iron Moulders' Pipe Smoother



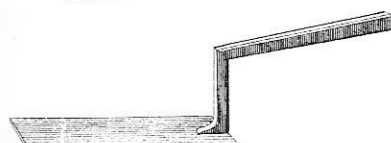
Corner Smoother



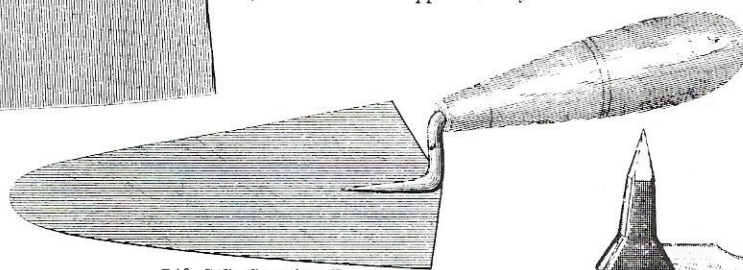
780 Best Meat Chopper 781 If Round Nosed



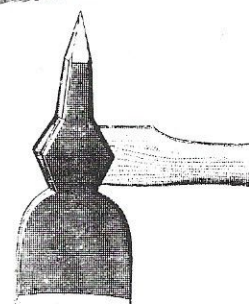
854 Stock Beater, Scale Tang, 47/
853 If Ordinary, 33/ per doz.



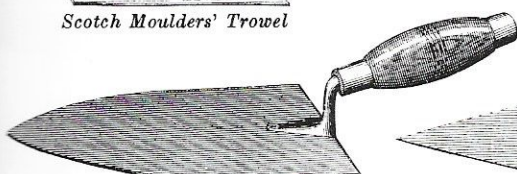
Scotch Moulders' Trowel



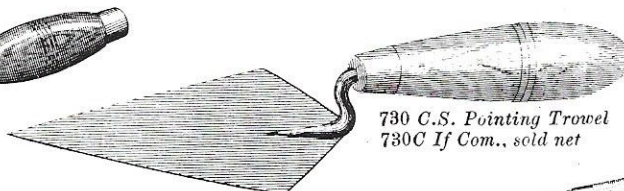
740 C.S. Gauging Trowel



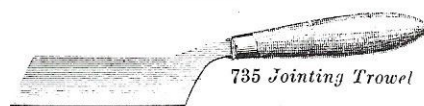
P844 Coal Hatchet



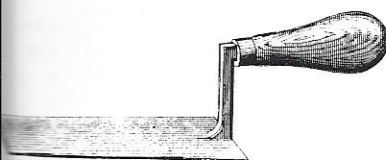
727 Edinbro' Masons
727S Slaters'



730 C.S. Pointing Trowel
730C If Com., sold net



735 Jointing Trowel



Iron Moulders' Square Trowel



724 Com. Black, 4/ per doz. pairs

S724 Bricklayers' Line Pin
Steel, 10/9 per doz. pairs



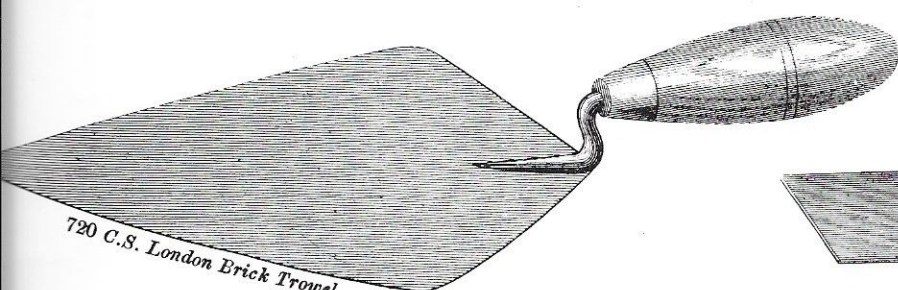
217 Plasterers'



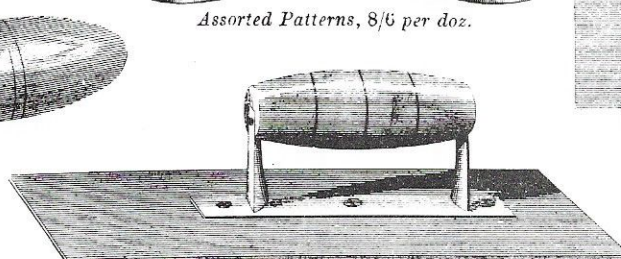
Moulding Tools



Assorted Patterns, 8/6 per doz.



720 C.S. London Brick Trowel



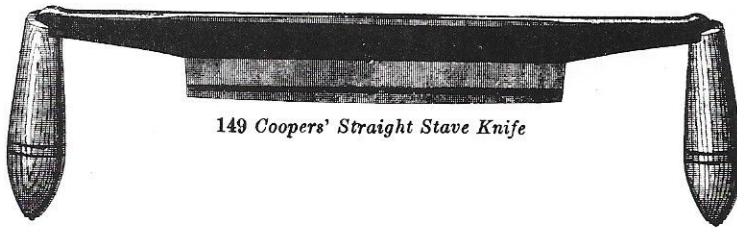
746 1/2 Double Stayed London Plastering Trowel
745 If Single Stayed



Plasterers' Joint Rule, 1 1/2d. per inch;
Best, 2d. per inch



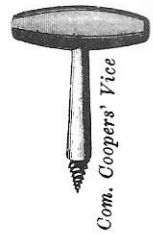
480 Lath Splitters' Knife, 26/8 doz., 8 x 24



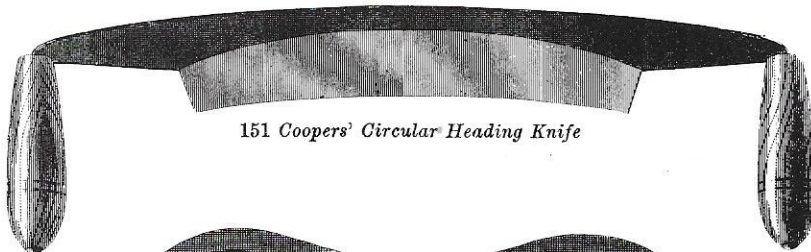
149 Coopers' Straight Stave Knife



Best Bright
232E
Coopers' Vice



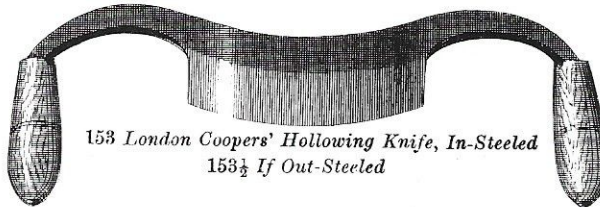
Com. Coopers' Vice



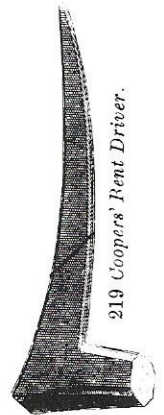
151 Coopers' Circular Heading Knife



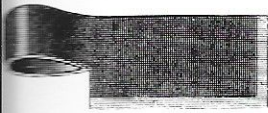
631 Coopers' Driver, 26/8



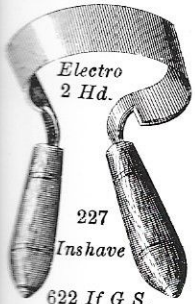
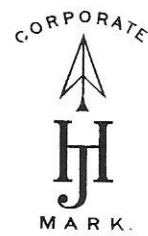
153 London Coopers' Hollowing Knife, In-Steeld
153½ If Out-Steeld



219 Coopers' Bent Driver.



Lath Rivers to order

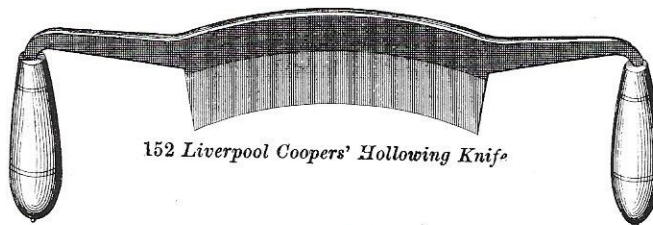


Electro
2 Hd.

227

Inshave

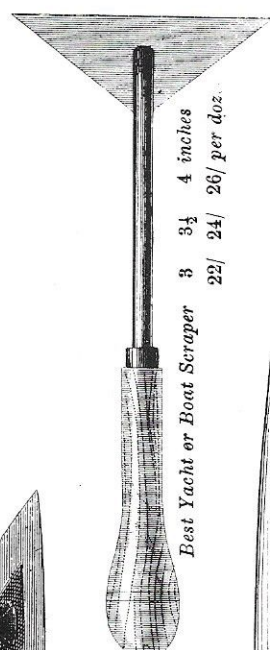
622 If G.S.



152 Liverpool Coopers' Hollowing Knife



229 Coopers' Jigger Knife
In or Out-Steeld



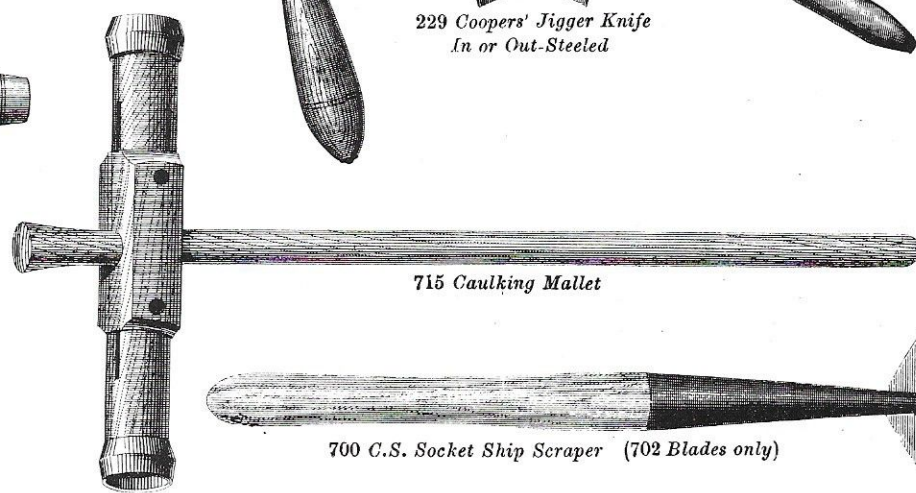
Best Yacht or Boat Scraper 3 3½ 4 inches
22/ 24/ 26/ per doz.



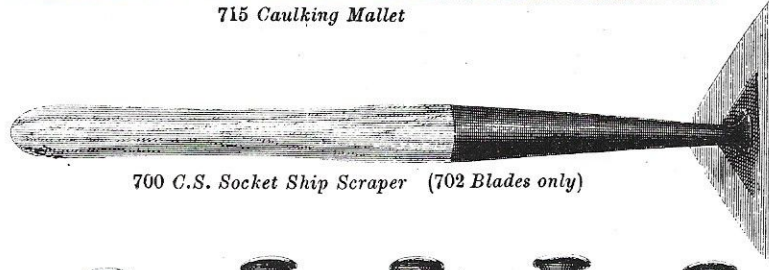
719 Sail Pricker



231 Brewers' Gimlet, 6/6



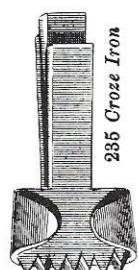
715 Caulking Mallet



700 C.S. Socket Ship Scraper (702 Blades only)



636 Brewers' Twist Gimlet,
7/9 per doz.



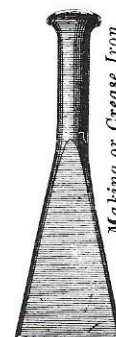
235 Croze Iron



712 Jerry Iron



711 Spike Iron



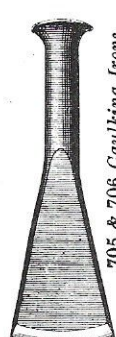
Making or Crease Iron



711½ Treenail Iron



707 Double Bent Iron



705 & 706 Caulking Irons



718½ Bright Marling Spike

708 Single
709 Double
910 Treble

GROCCERS', BUTCHERS', AND COOKS' TOOLS, &c.

No.

GROCERS', BUTCHERS', AND COOKS' TOOLS.

784

Smithfield Choppers

9½

10

10½

11

11½

12

inches.

786

Lamb

35/6

36/8

38/6

40/8

43/

48/

per doz.

787

Calf

792

Cleavers, Scale Tanged, to 3½lbs., 1/6 per lb.; above, 1/4 per lb.

800

Butchers' Hacking Knives, Iron Handled, 1/2 per lb.

790

If Iron Handled, to 3½lbs., 1/2; above, 1/ per lb.

801

"

Round Handled, strong, 1/4 per lb.

791

Oval

"

Light Lancashire pattern, 1/4 per lb.

802

"

Light, 1/5 per lb.

801S

"

Scale Tang, 1/6 per lb.

854

Scale Tanged Beef Steak Beaters, 47/ per dozen

853

If Round Handled, 33/ per dozen.

815

Sugar Choppers

1

2

3

4

17/9

18/9

20/6

21/9

per doz.

816

If extra strong London

5½ × 3½ × ¾

6 × 3½ × ¾

26/6

30/

per doz.

803

Sausage Knives, Glasgow Pattern

9 × 6

10 × 6½

11 × 7

12 × 7½

41/3

45/

48/9

56/3

per doz.

Machine Sausage Knife Blades to order.

839

Scotch Ham Knives

12

13

14

15

16

17

18

19

20

21

22

23

24

inches.

821

Improved C. S. Cheese Knives

8

9

10

11

12

14

inches.

822

Common

36/

42/

48/

55/

62/

84/

per dozen.

821½

C. S.

24/

27/

32/

39/

45/

8/ per doz. extra to 822.

842

Stag Handled Ham Tryers, 7 in., 8½ doz.

841

Common, 6/ doz.

BUTTER TESTERS AND CHEESE TASTERS.

242

Butter Testers, bright Tapered Rosewood Handled

14

16

18

20

22

24

26

28

inches long.

823

Best C. S. London Cheese Tasters

4

4½

5

5½

6

in. in blade.

824

Bright Iron

28/

28/

30/

33/

36/

per doz.

823

Best C. S. Liverpool

12/

15/

18/

21/6

25/

"

805

Handled Pig Scrapers, with Hook, solid, 20/ per doz.

838

Bakers' Dough Scrapers, rivetted, 12/; solid, 18/.

838S

Scotch pattern, 14/

835

Grocers' Improved Jennie, with Claw

15

18

21

24

inches.

829

Currant Forks, 3 prongs, blued and bright, 21/8 per dozen.

829S

"

"

"

common black socket, 15/ per dozen.

Oyster and Sardine Knives and Can Openers, Corkscrews (table, pocket, and lever patterns)

Butchers' Knives, Bacon, Butter, Bread, Cooks', Paper, and Sticking Knives, Scissors, Table and Butchers' Steels, &c., &c.,

Centre Bit prices, see Bits; Grocers' Hammers, &c., see Hammer List; Iron Back and Bow Saws, see Saws; Bread Rasps, see File List.

Cucumber Slices, 10/0 per dozen.

STEAK TONGS.

856

Bright Steak Tonges, with Bar

14

16

18

19

20

22

24

inches.

858

"

Flesh Forks

16/0

18/0

21/0

24/0

27/0

34/0

44/0

per dozen.

"

Steel Toasting Forks and Coal Tonges, with Bows,

"

15/6

17/0

20/0

25/0

"

Bright Nutcracks at 8/0 and 12/9 per dozen.

For Electro-Plated, see Standard E.P. List.

Grocers' Iron Sugar Scoops, Wood Handled

6½ × 3 × 2

7½ × 4 × 2½

8½ × 4½ × 2¾

10 × 5 × 3½

"

Pierced, for sifting sugar

13/3

16/3

20/

24/8

"

15/

18/

21/9

25/6

Zinc Salt Saws

16

18

20

22

inches.

13/10

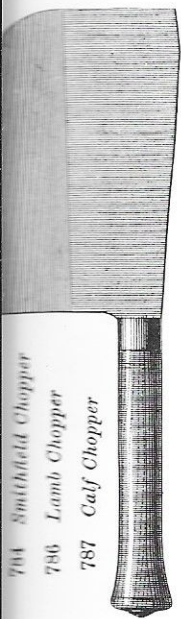
14/6

15/6

17/

per dozen.

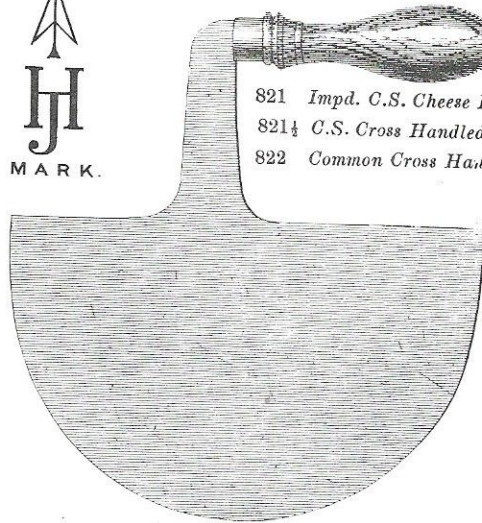
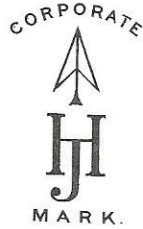
Best quality, 16 inch, 20/ per dozen.



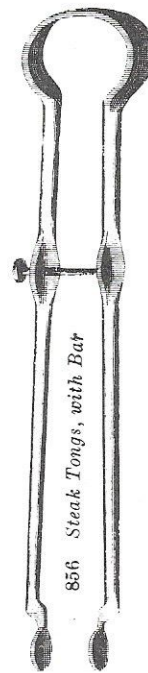
704 Smithfield Chopper
786 Lamb Chopper
787 Calf Chopper



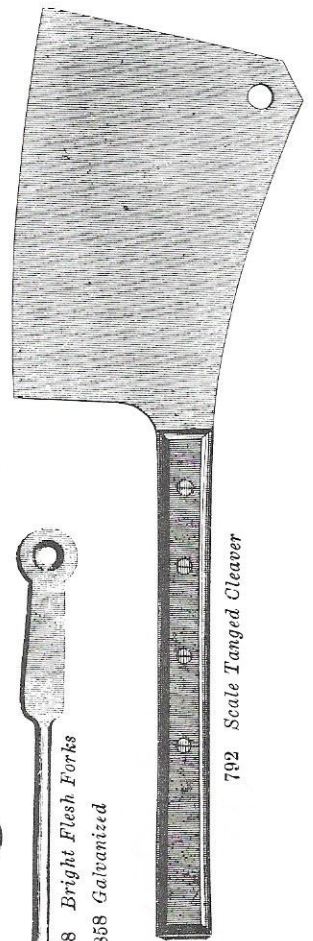
800 Butchers' Lacking Knife, 1/2 per lb.



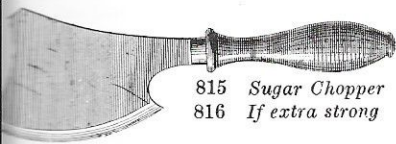
821 Impd. C.S. Cheese Knife
821 1/2 C.S. Cross Handled
822 Common Cross Handled



856 Steak Tongs, with Bar



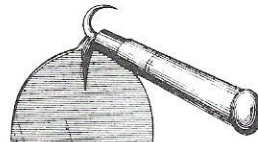
792 Scale Tanged Cleaver



815 Sugar Chopper
816 If extra strong



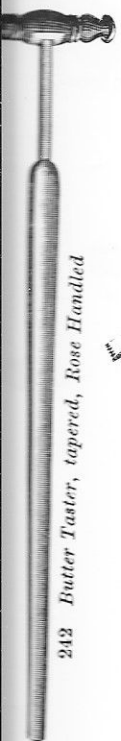
803 Sausage Knife
Glasgow Pattern



805 Pig Scraper, with Hook



858 Bright Flesh Forks
G858 Galvanized



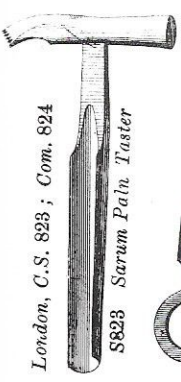
242 Butter Taster, tapered, Rose Handled



510 Grocers' Hammer
Iron Handled

Nos. 1 2 3 4
25/ 30/ 35/ 40/

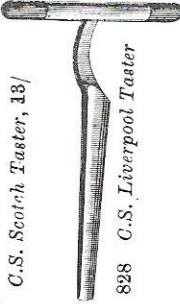
CHEESE TASTERS



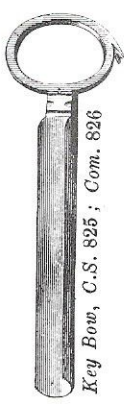
823 Sarum Palm Taster



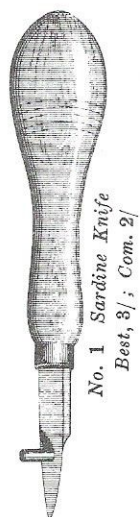
827 C.S. Scotch Taster, 13/



838 C.S. Liverpool Taster



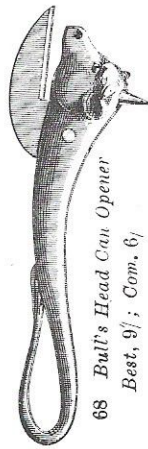
Key Bow, C.S. 825 ; Com. 826



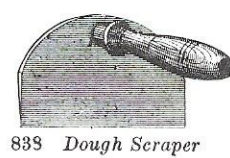
No. 1 Sardine Knife
Best, 3/ ; Com. 2/



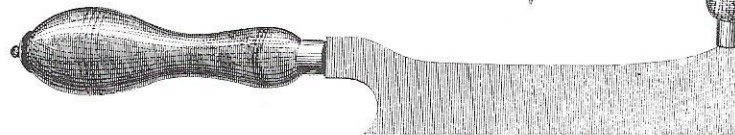
65 Sardine Opener



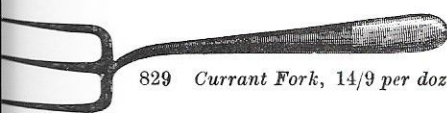
68 Bull's Head Can Opener
Best, 9/ ; Com. 6/



833 Dough Scraper



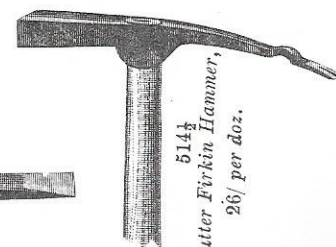
868 Mincer or Soap Knife, 13/6



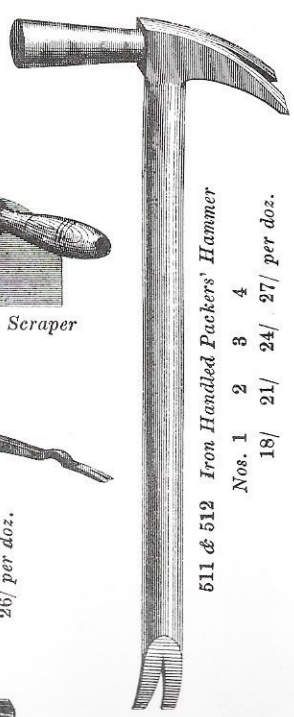
829 Currant Fork, 14/9 per doz.



835 Grocers' Jennie



514 1/2 Butter Firkin Hammer,
26/ per doz.



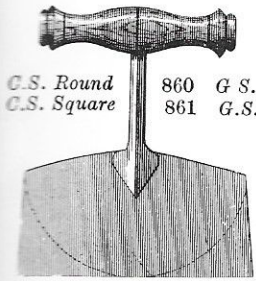
511 & 512 Iron Handled Packers' Hammer
Nos. 1 2 3 4
18/ 21/ 24/ 27/ per doz.



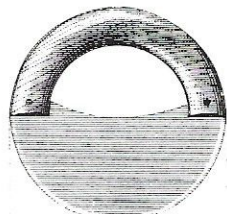
Ham Tryer, Stag Handle, 7 in. 8/6 per doz.



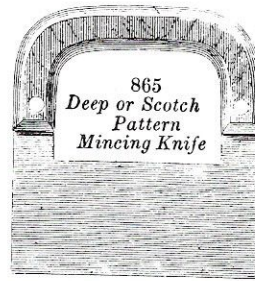
839 Scotch Ham Knife



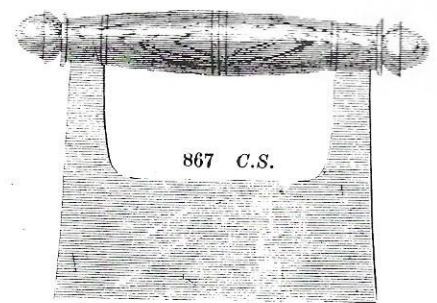
C.S. Round 860 G S. Square
C.S. Square 861 G.S. Round



864 Square or Round
Mincing Knife

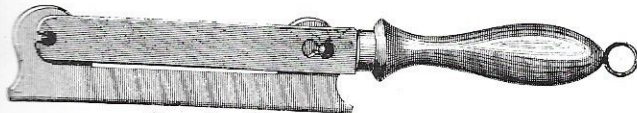


865
Deep or Scotch
Pattern
Mincing Knife

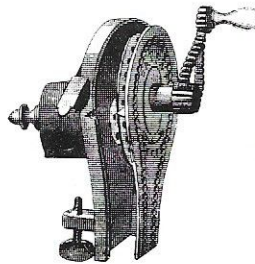


867 C.S.

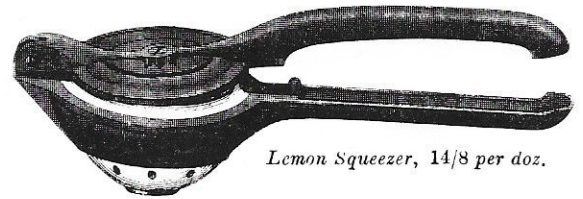
Double Tanged Mincing Knife



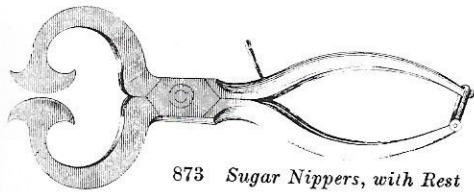
Cucumber Slicer, 10/ per doz.



Nutmeg Grater



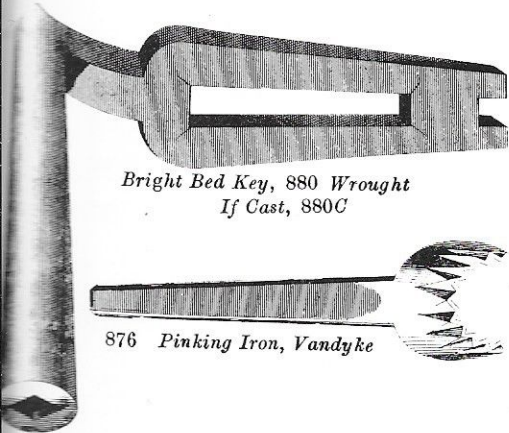
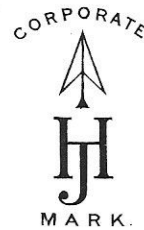
Lemon Squeezer, 14/8 per doz.



873 Sugar Nippers, with Rest

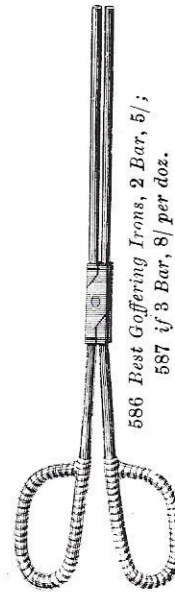


24 inch Steel Toasting Fork, 11/6 per doz.

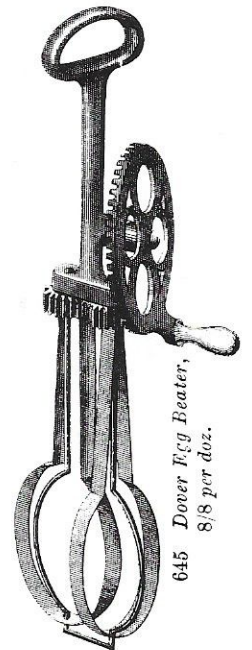


Bright Bed Key, 880 Wrought
If Cast, 880C

876 Pinking Iron, Vandyke



586 Best Goffering Irons, 2 Bar, 5/;
587 if 3 Bar, 8/ per doz.



645 Dover Egg Beater,
8/8 per doz.



653 Sticking Knife



657 Best Thro' Tanged Butchers' Knife



656 Butter or Paper Knife



Butchers' Steels to various Patterns



Ebony Handled Asparagus Knife



Cooks' Combined Saw and Knife, 10/8 per doz.



Ebony Handled French Cooks' Knife and Fork



Vegetable Parer



Apple Corers, 5/4 per doz.

HAMMERS.

HAMMERS.

[illegible]

HOUSE and FARMERS' HAMMERS, &c. (with Langets) KENT, CANTERBURY, &c., &c.

[illegible]

STRONG SCOTCH HAMMERS.

		1	2	3	
455	Scotch Joiners' Claw	Heads.....	24/6	27/6	30/6 per dozen.
456	"	Hammers, Oval Ash Handles..	30/6	33/6	36/6 "
457	Solid Glasgow	Heads.....	28/0	32/0	36/0 "
458	"	Hammers, Oval Ash Handles..	34/0	38/0	42/0 "
459	Roseneath	Heads.....	36/0	40/0	44/0 "
460	"	Hammers, Oval Ash Handles..	42/0	46/0	50/0 "

HAMMERS, (Joiners', Cabinet Makers', &c.) Warranted Best Shear Steeled. Polished Handles, 1/0 per dozen extra.
(Extra if Solid Cast Steel.)

		Weight of Heads																	
		2	2½	3½	4½	6	8	10	12	14	16	18	20	22	24	26	oz.		
No.		000	00	0	1	2	3	4	5	6	7	8	9	10	11	12			
420	London Riveting Heads, or Exeter	4/6	4/6	4/6	5/6	7/0	8/0	10/0	11/6	13/0	14/6	16/	18/	21/	24/	27/	per doz.		
421	" " Hammers, Handled with Turned Oval Ash Handles ..	6/6	6/6	6/6	7/8	9/0	10/0	12/0	13/6	16/0	17/6	19/	21/	25/	28/	31/	"		
422	" " " " Hand Ovalled Beech Handles ..	8/0	8/0	8/0	9/0	10/6	11/6	14/0	15/6	18/0	19/6	21/	23/	27/	30/	33/	"		
423	Best Finished London Hammer Heads, or Exeter.....	7/0	7/0	7/0	8/0	10/0	12/0	14/0	16/0	18/0	21/0	24/	27/	30/	33/	36/	"		
425	" Manchester Heads .....	..	..	7/6	8/6	10/0	12/0	14/0	16/0	18/0	20/0	22/	24/	26/	28/	30/	Hdled.
425S	Packing Case Heads with Spike, 3/0 per dozen extra to 425.	No. 425																	

	No. 0	1	2	3	4	5	6	7	8	9	10	11	12	
London Claw Heads.....	5/6	7/0	8/0	10/0	11/6	13/0	14/6	16/0	18/0	21/0	24/0	27/0	30/0	per dozen.
" " Hammers Polished Handles	7/6	9/0	10/0	12/0	13/6	15/0	17/6	19/0	21/0	24/0	28/0	31/0	34/0	
Clench Heads, Octagon Faces, Finished .....	..	5/3	6/3	7/3	8/6	9/6	11/0	12/6	14/0	16/0	18/3	21/9	24/3	"
Best Clench Heads, Round Faces	7/0	8/0	10/0	12/0	14/0	16/0	18/0	21/0	24/0	27/0	30/0	33/0	36/0	"
" Black Veneering Hammers, Wide Peans.....	..	..	..	18/0	20/0	22/0	24/0	..	..	..	..	..	..	"

[illegible]

HEAVY HAMMERS, (by Weight). Iron and Steel.

128	Clench Heads, Octagon Faces, Roofing, Flooring, &c., 1½ lb. and above, rising ¼ lb. per size, Common, 0/8½; Finished, 0/11 per lb.
129	Best Clench Round Faces, " 1½ lb. and above, Rough Finish, 1/2 Best Finish, 1/4 per lb.
134	Best Double Faced Framing or Mash Hammers, Round Faces,
135	" " " " Octagon Faces 1/3 "

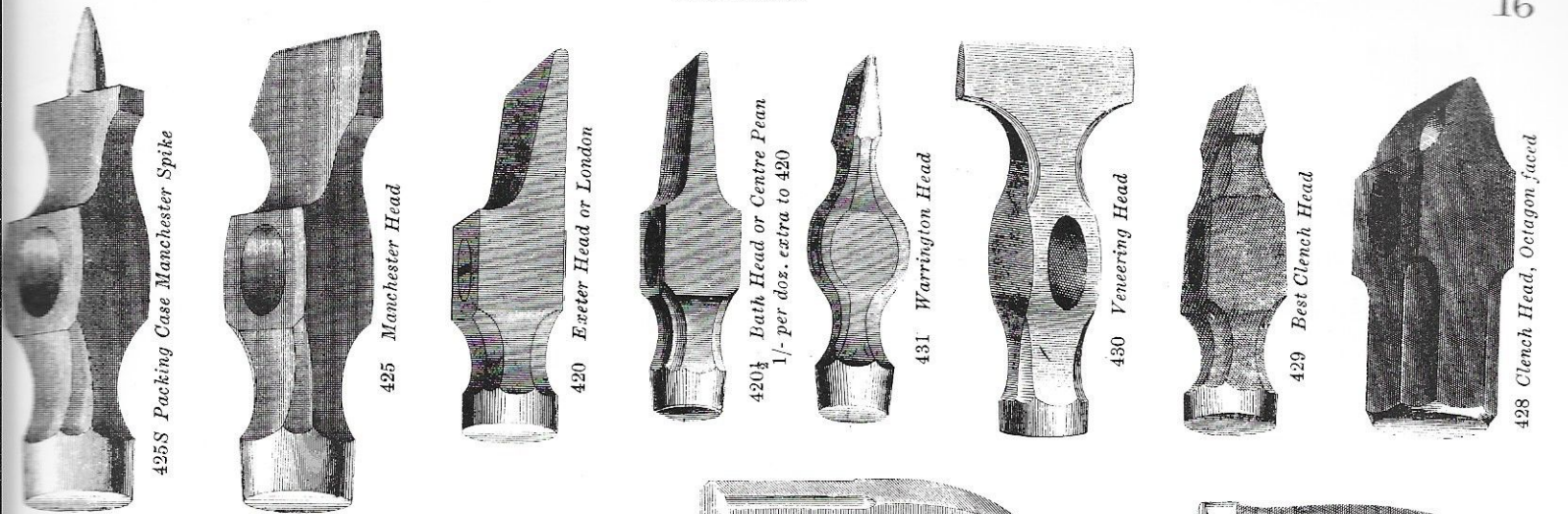
ENGINEERS' and MECHANICS' HAMMERS.

Iron and Steel.				Solid Cast Steel.			
		Rough Finish,	Best Finish,	Not Filed,	Rough Finished,	Best,	lb.
Engineers', &c.	Plain Cross Pean,	1½lb. and above,					
"	Hollowed "	1½lb.	" "	" "	" "	" "	" "
"	" Straight Pean,	1½lb.	" "	" "	" "	" "	" "
"	Ball Pean,	1½lb.	" "	" "	" "	" "	" "

If ordered in quantities, to special net prices. Boiler Makers' same prices as Engineers.

If ordered in quantities, to special net prices. Boiler Makers', same prices as Engineers.

Hammers Handled with Long Ash Handles, 1½ to 3lbs. 5/0 per dozen net extra. For Loose Handles, see Tool Handles.



425S Packing Case Manchester Spike

425 Manchester Head

420 Exeter Head or London

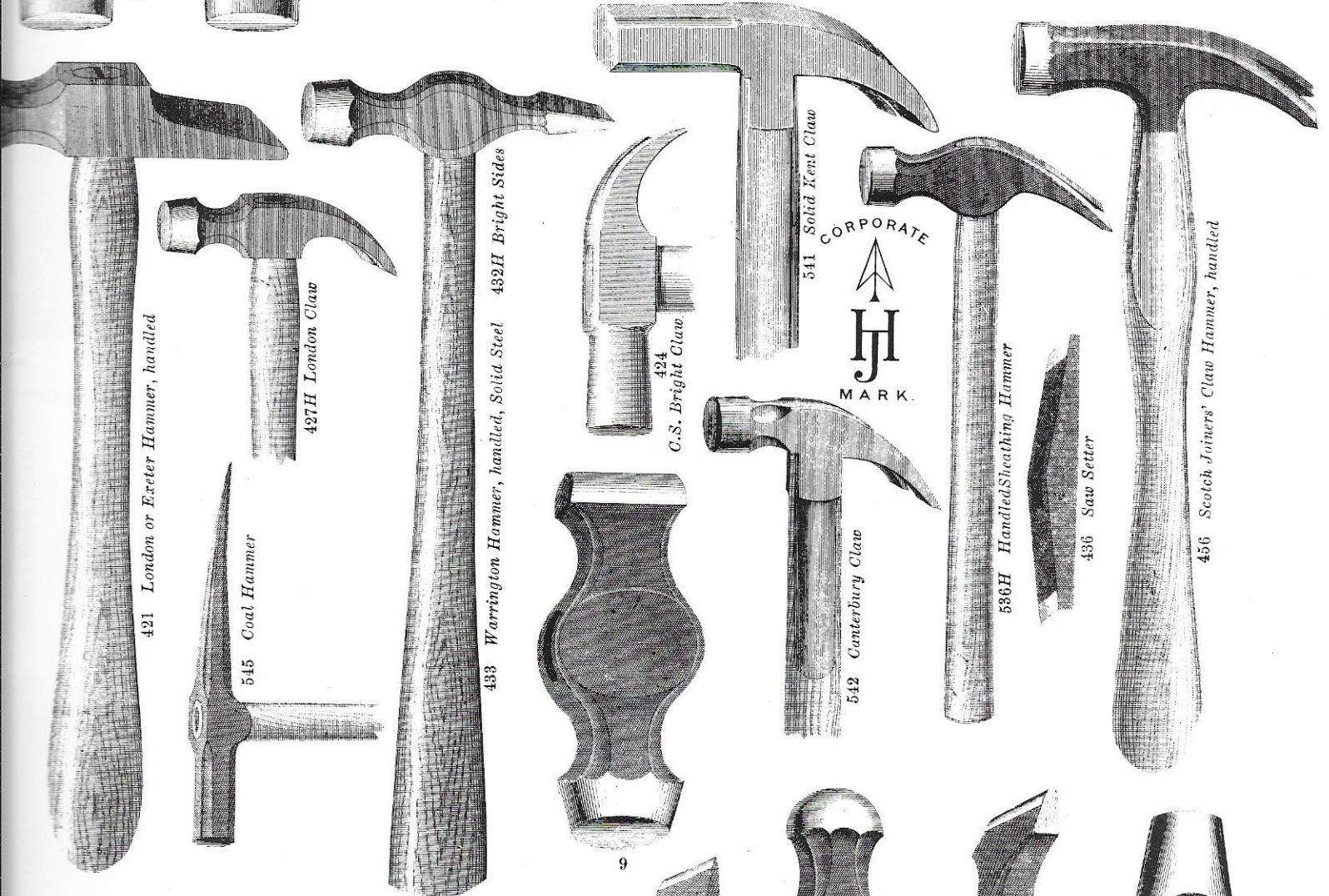
420½ Bath Head or Centre Pean
1/- per doz. extra to 420

431 Warrington Head

430 Veneering Head

429 Best Clench Head

428 Clench Head, Octagon faced



421 London or Exeter Hammer, handled

427H London Claw

433 Warrington Hammer, handled, Solid Steel

424 C.S. Bright Claw

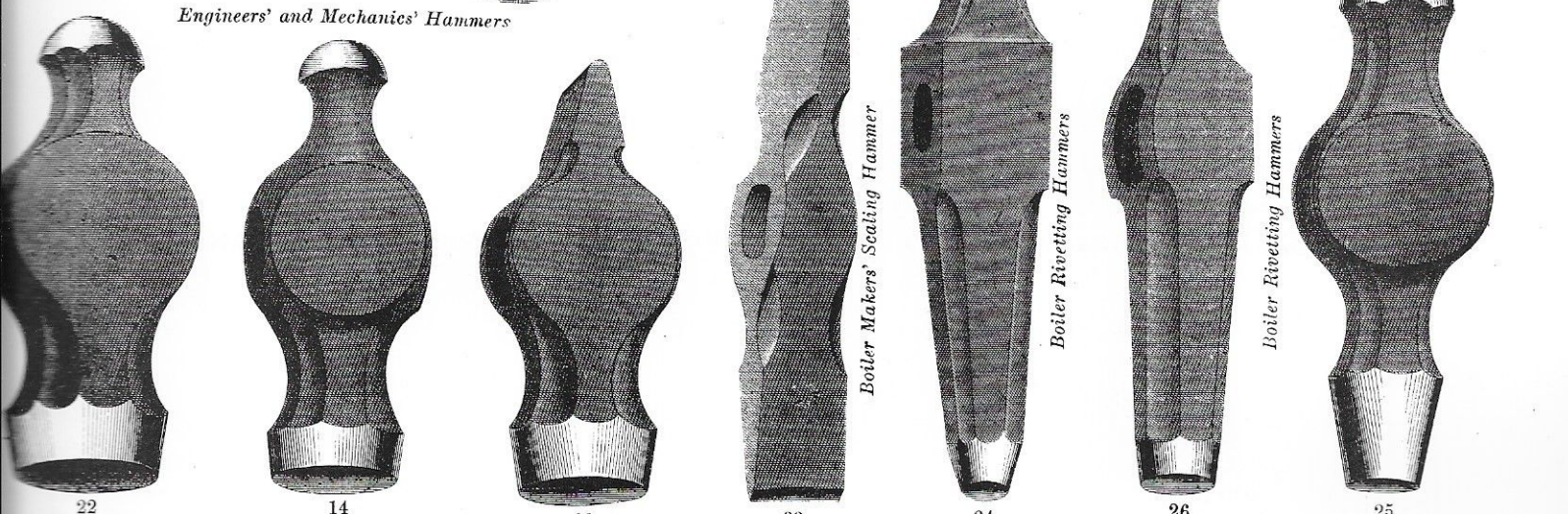
541 Solid Kent Claw

542 Canterbury Claw

536H Handled Sheathing Hammer

436 Saw Setter

456 Scotch Joiners' Claw Hammer, handled



Engineers' and Mechanics' Hammers

Boiler Makers' Scaling Hammer

Boiler Rivetting Hammers

Boiler Rivetting Hammers

22

14

23

33

24

26

25

NOTE—Solid Steel Engineers' and Mechanics' Hammer Heads, 1/ per lb. Large quantities to special net Prices.
Boiler Makers' Prices as Engineers' Best Ash or Hickory 18 inch Handles and handling, extra 6/ per doz.

HAMMERS.

SHIP CARPENTERS' HAMMERS.

	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{2}$	2 $\frac{1}{2}$ lbs.	
535 Best Ship Claw Heads.....	10/6	12/6	15/6	18/6	22/0	26/0	30/0	34/0	38/0 per dozen. If all Bright, extra.
536 Sheathing Heads, 2 $\frac{1}{2}$ lbs. 0/9 per lb. Best, 1/0 per lb.									
537 Coppering „ Wide Faces, 18/6 doz. Best B537, 24/0. London Pattern....	11/0	12/3	13/6	15/0	per dozen.				Scotch Pattern, 2/6 extra.
538 Mauls, 0/7 per lb.									

See also Nos. 428, 429, and 440 to 460.

See also Ship Tools.

UPHOLSTERERS' and SADDLERS' HAMMERS. If Rosewood Polished Handles, per dozen extra.

	1	2	3	
461 Upholsterers' Hammers, Handled.....	13/0	15/0	17/0	per dozen.
462 London „ „	17/0	18/0	21/0	„
463 Benwell's „ „ Solid	24/0	26/0	28/0	„
464 Cabriolet „ „	24/0	26/0	28/0	„
465 Saddlers' „ „	16/0	18/0	20/0	„
466 London „ „ Claw at Side (Upholsteres' & Saddlers')..	20/0	22/0	24/0	„
466 $\frac{1}{2}$ Long Upholsterers' Oct. Face, Best Finish, 10/0. H466 $\frac{1}{2}$ Handled, 12/0 per dozen.				

LATH, BRICK, MASONS' and SLATERS' HAMMERS, &c.

	1	2	3	4	5	6	
467 Bright Lath Hammers, Handled	12/0	14/0	16/0	18/0	20/0	24/0	per dozen.
468 London „ „ „ Long	13/0	15/0	17/0	19/0	21/0	25/0	„
469 „ „ „ „ „ „	12/0	14/0	16/0	18/0	20/0	24/0	„
470 Slaters' Hammers, London Pattern Hnd, with Pick, Claw at side, 29/0 per doz.							470G Glasgow Pattern, 38/; Unhnd, 39/ 470L Leeds Pattern Hnd., 42/
471 „ „ „ „ „ „ at Back....	42/0						471S Scotch Pattern, light Double Hooped, 45/0 per dozen.
472 „ „ Cutting Iron or Stake.....	12/0						„
	1	2	3				
473 „ „ Ripper for taking off Slates ..	36/0	39/0	42/0	per dozen.			
474 Common Bricklayers' Laying Hammer Heads, 16/0; Ash Handled, 19/0 per doz.							474B Best Ash Handled, 24/ per doz. (if heads above 12 inch, extra.
475 Paving Hammers, Handled, 22/0 per dozen.							476 Long Bolder and Road Setters' Hammers to order.
	1	2	3	4			
477 Masons' Walling Hammer Heads..	18/0	20/0	22/0	24/0;	Ash Handled, 3/0	per dozen extra.	
478 „ „ Two-Faced Dressing or Lump Hammers assorted 3 to 5 lbs., 7d. per lb.							
479 Eyed Lathe Rivers, Straight, Round Edge, and Improved Circular, made to order.							
480 Lathers' Knives, Handled Double Hooped and Cap'd, 8 x 2 $\frac{1}{2}$, 26/8 per dozen.							

SHOE HAMMERS.

	0	1	2	3	4	5	6	
485 Black Shoemakers' Hammers, Round Ash Handles' ....	..	10/0	11/6	13/0	15/0	17/0	19/0	per dozen. Oval Handle, 486, 1/ extra.
487 Best London „ „ „ Oval Polished „	13/0	14/6	16/0	18/0	21/0	24/0	27/0	„
489 Bright Boot Close's' „ „ 20/0 per dozen.								
	0	1	2	3				
490 Cloggers' Hammer Heads....	10/0	12/0	14/0	16/0	per dozen.			

Common Shoe Hammers, not warranted, from 7/6 per dozen. 488 Black Cramping, same price as No. 485.

HAMMERS, (Various.)

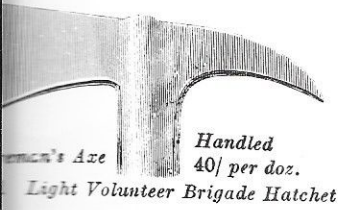
	1	2	3	
493 Coach Trimmers' Heads, with Claw, Round or Octagon....	25/0	27/0	29/0	per dozen. } London or Liverpool Pattern.
493 $\frac{1}{2}$ „ „ „ „ „ „ „ „	25/0	27/0	29/0	„
494 Plumbers' Hammers, Handled	15/6	17/6	20/0	„
494 $\frac{1}{2}$ „ „ „ „ „ „ „ „	27/0	30/0	33/0	„
495 Glaziers' „ „ „ „ „ „ „ „	20/0	22/0	24/0	„ 495 $\frac{1}{2}$ Socket with beaded Handles, 6/ extra
496 Farriers' Shoeing Hammers, Octagon Faces	18/0	per dozen.		
497 London „ „ „ „ „ „ „ „	24/0			498. Solid Cast Steel, 28/0 per dozen.
499 Farriers' Four faced Shoe Turning Hammers, Solid Cast Steel, 1/6 per lb.				
500 Firemans' Brigade Hatchet, Ash Handled ..	40/0	per dozen.		
501 Volunteer „ „ „ „ „ „ „ „	40/0			Contract orders at special net prices, to pattern or Tracing for quantities.
502 Stone Breakers' Hammers, Two-faced, Solid Cast Steel, ..	per lb.			
503 Mining Hammer Pick, 4 to 6 lbs., 6d. per lb.; 6 to 9 lbs., 5d. per lb.				
525 Railway Keying Hammers..	0/7	per lb.	Solid Cast Steel, 1/ per lb.	526 Double Faced Spiking, 0/8 per lb. Solid Cast Steel, 1/ per lb.

COOPERS' SLEDGE and CONTRACTORS' HAMMERS, &c.

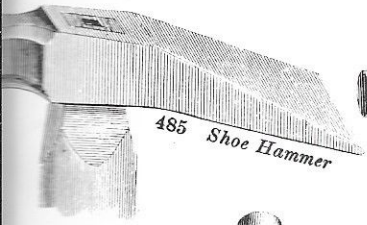
	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$ lbs.	
527 Burton Coopers' Hammers, Octagon Faces....	..	..	22/0	26/0	30 0	34/0	38/0	per dozen.
528 London „ „ „ „ „ „ „ „	25/0	28/	32/0	36/0	37/0	40/0	44/0	„
529 Smiths' Sledge Hammers, Iron and Steel	per lb. above 9 lbs. weight,				6 $\frac{1}{2}$ d.	530 Solid Cast Steel 1/ per lb.		
531 „ „ „ „ „ „ „ „	0/8							
Tinmen's Double Faced Willing Boys or Pivot Hammers, Polished Faces, Block, Hammers, Planishing, Paning, and Hollowing Hammers, &c., to order.								
Quarry Sledge Hammers, per lb. Quarry Contractors' and Sledge Hammers in large quantities to special net prices.								
Contractors' and Stone Hammers, ..	per Cwt.							Mill Picks to order.
Crow Bars, Chisel or Clawed End, 25/0 „								
Masons' Dressing, Chipping, Bolstering, Letter Cutting, & other Solid Steel Chisels, sold by weight; also Octagon, Brick, Plugging, Cold Chipping Chisels, &c.								

HAMMERS, &c.

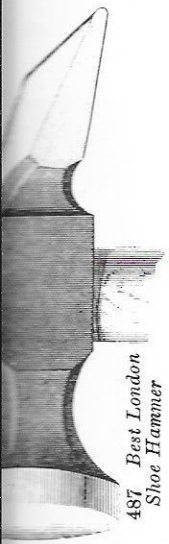
17



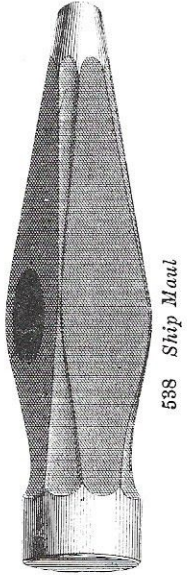
Handled
40/ per doz.
Light Volunteer Brigade Hatchet



485 Shoe Hammer



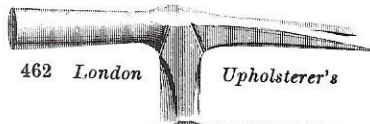
487 Best London Shoe Hammer



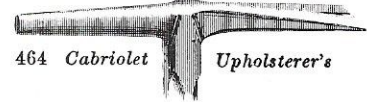
538 Ship Maul



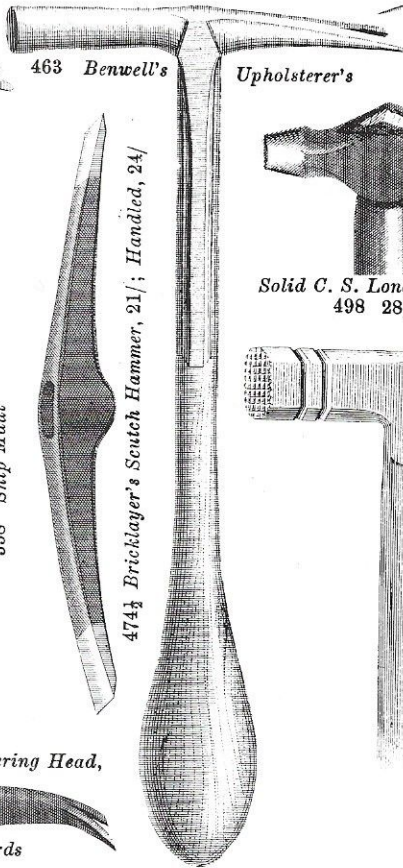
474 1/2 Bricklayer's Scutch Hammer, 21 1/2; Handled, 24/



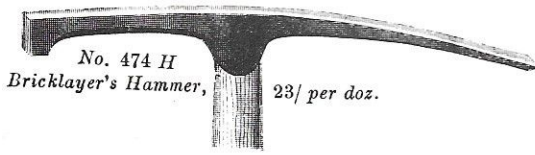
462 London Upholsterer's



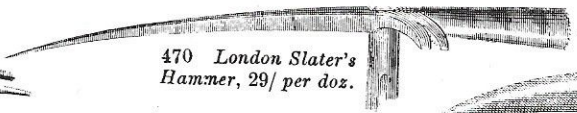
464 Cabriolet Upholsterer's



463 Benwell's Upholsterer's



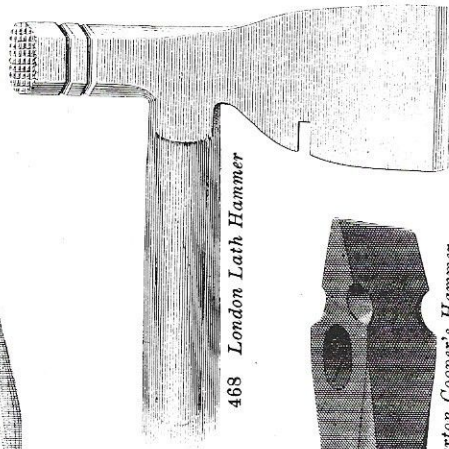
No. 474 H
Bricklayer's Hammer, 23/ per doz.



470 London Slater's Hammer, 29/ per doz.



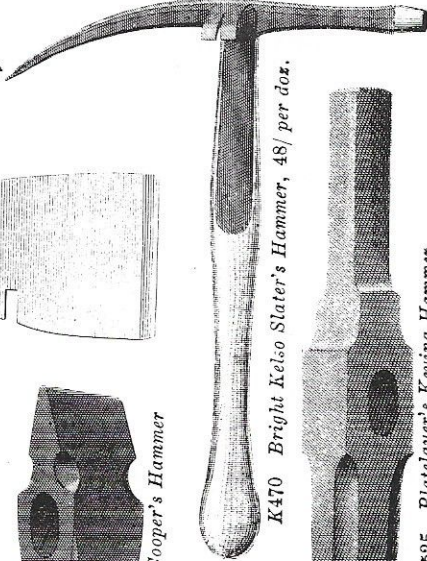
Solid C. S. London Farrier's
498 28/ per doz.



468 London Lath Hammer



527 Burton Cooper's Hammer



K470 Bright Kelo Slater's Hammer, 48/ per doz.



525 Platelayer's Krying Hammer



471 Slater's Axe, 42/ doz.



473 Slater's Ripper

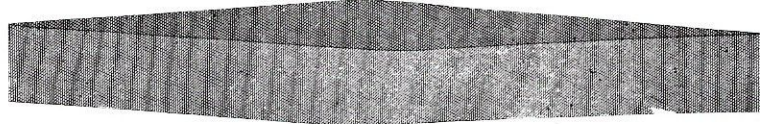


L537 London Coppering Head,

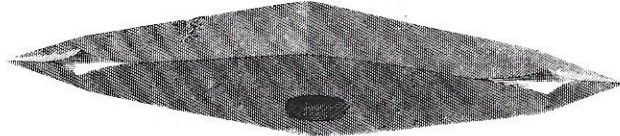
1 1/2 lbs. and upwards



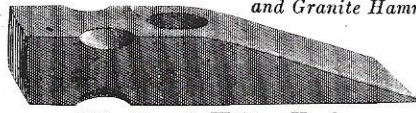
B537 Best Coppering Head,
24/ per doz.



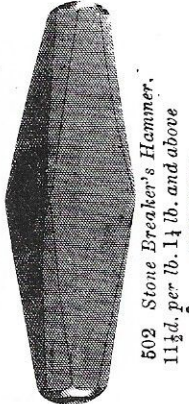
Mill Bills and Mill Picks, to order



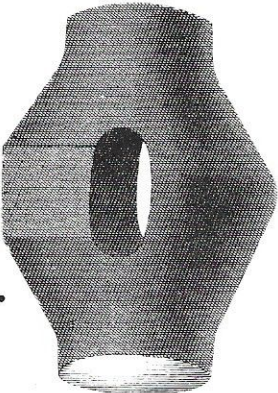
Made to order, Stone or Quarry Picks & Hammers
and Granite Hammers



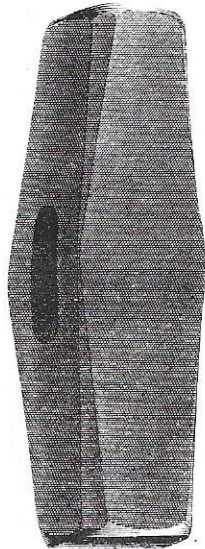
477 Mason's Walling Head



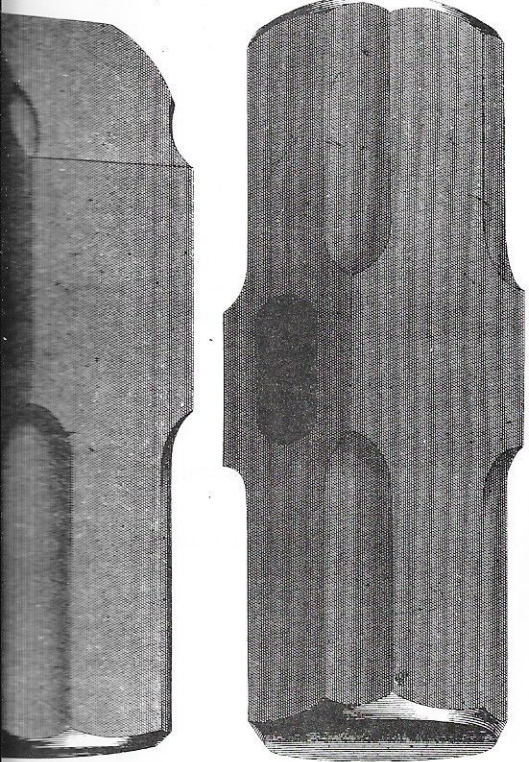
502 Stone Breaker's Hammer.
11 1/2 d. per lb. 1 1/2 lb. and above



499 C.S. Farrier's Shoe
Turning, 1/6 per lb.



478 C.S. Mason's Club
Dressing Hammer



D529 Double Faced Sledge
D530 Solid Steel

Out of Round
or Octagon Steel



Octagon Coach Trimmers Hammer Head.

1125

Sledge Hammer
Solid Steel

HAMMERS, STEEL TOOLS, PINCERS, NIPPERS, &c.

GARDEN and HORTICULTURISTS' HAMMERS, &c.

No.		1	2	3	4	
505	Bright Garden Hammers, Handled, Chequed Faces....	10/0	12/0	14/0	16/0	per dozen.
507	" Scotch " " " " "	18/0	20/0	22/0	24/0	"
508	" Ladies " " " " "	14/0	16/0	18/0	20/0	"
509	Strapped Horticulturists' Hammer and Hatchet, with Claw	Chequed Face, 27/0 per dozen.				
507P	Paxton Hammer Clawed Face and Pean, 24/0 per dozen.					

506 London Pattern, same price.
If Rosewood Handles extra.

GROCCERS' and PACKERS' HAMMERS, &c.

	1	2	3	4	
510 Black Iron Handled Grocers' Hammers	25/0	30/0	35/0	40/0	per dozen.
511 " " " Packers' " Pointed or Chisel Ends	18/0	21/0	24/0	27/0	"
512 " " " Claw or Box Hammers	18/0	21/0	24/0	27/0	"
513 Tea Chest Hammers and Hatchets	27/0	30/0	34/0	"	"
514 Orange Chest Hatchet Hammers, same prices.					

} Rough Finished, 4/0 per dozen less.

GEOLOGISTS', MINERALOGISTS', and STUDENTS' HAMMERS.

[illegible]

LADIES', GENTS.', and CARPET HAMMERS, &c.

1112	Bright Tack Hammers, Handled, St Pean..	7/0	1111 With Claws, 8/0	(Extra if with Rosewood Handles.)
550	Ladies' "	"	Polished Handles, 8/6 per dozen.	
551	" "	"	Claw End of Handle, 11/6 per dozen.	
			0 1 2 3	
427H	„Ld.Claw "	Polished Handles..	7/6 9/0 10/0 12/0	427B London Claw, Box Handled.... 11/6 13/0 14/0 16/0 per doz.
			1 2 3 4	
552	Best Ladies' "	"	13/0 15/0 17/0 19/0	per dozen.
553	" "	Carpet Hammer, Claw at Side	18/0 20/0 22/0 24/0	"
554	Gent.'s Claw Hammers		13/0 15/0 17/0 19/0	"
	Any of the above Patterns, Rosewood Handled, per dozen extra.			
555	Magnetic Tack Hammers sold net,			
		8 10 12	Teeth.	
556	Best Bright Carpet Stretchers.....	25/6 28/0 30/0	per dozen.	
557	Improved Patent Carpet Stretchers, sold net.			
		7 8 9 10 11 12	inches.	
558	Bright Claw Wrenches....	7/0 8/6 10/0 12/0 14/0 16/0	per dozen.	Bright Gentlemen's Chisels, same prices.
558½	Strong Blac' Claw ..	.. .. 10/0 12/0 14/0	"	See also No. 835.
559	Handled Carpet Claw Wrench, 7/0 per dozen.	Best, 12/	per dozen, Hardwood Handles.	
		7 8 9 10 12 14	inches.	
560	Bright Upholsterers' Chisels.....	7/0 8/6 10/0 12/0 14/0 16/0	per dozen.	
	See also Amateurs' Tools.			

JOINERS' PINCERS.

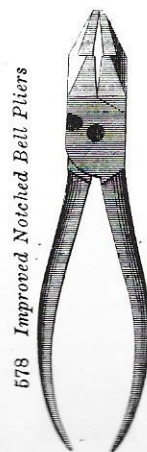
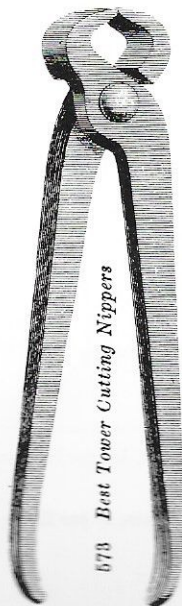
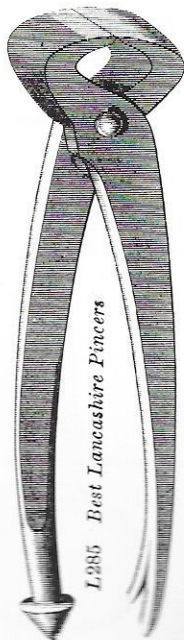
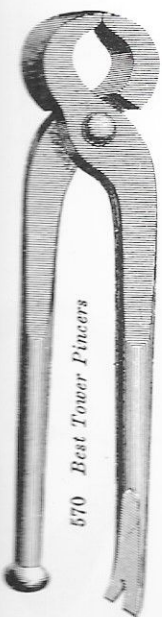
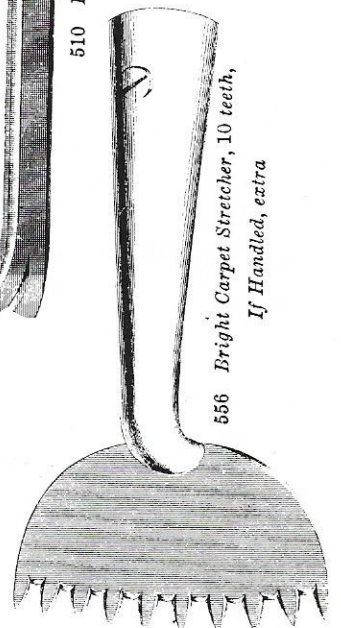
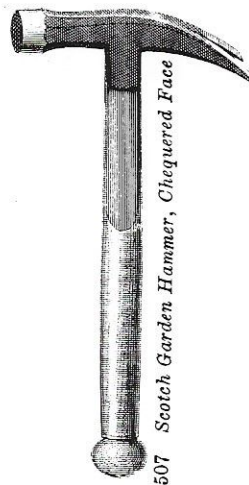
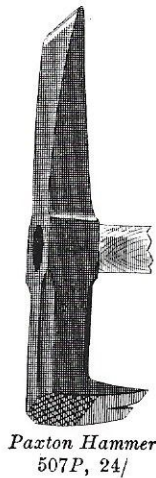
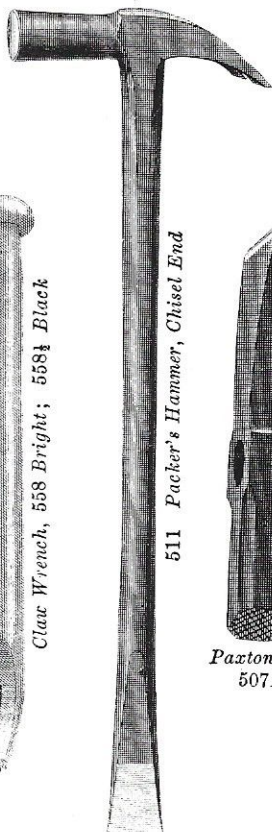
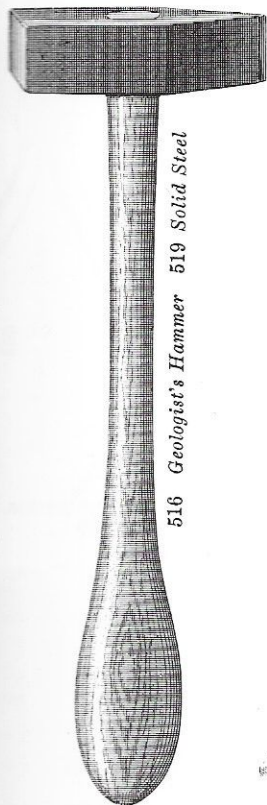
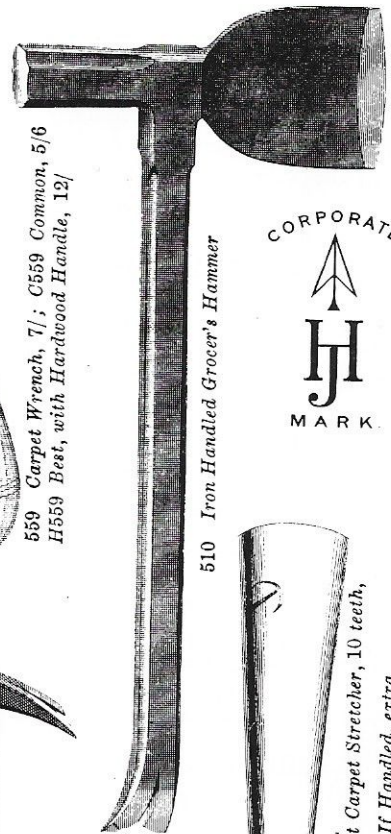
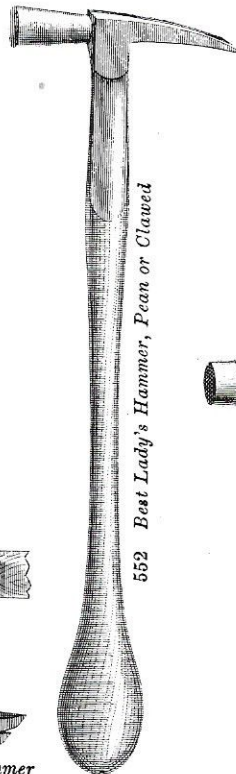
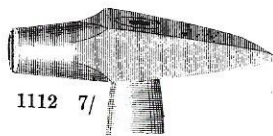
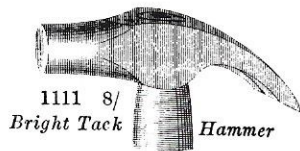
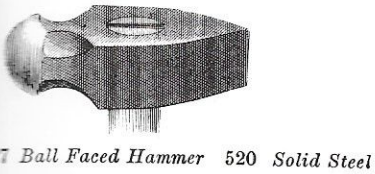
		5	5½	6	6½	7	7½	8	8½	9	9½	10	11	12	inches.
570	Best Tower Pincers.....	8/0	8/0	8/0	9/0	10/0	12/0	14/0	16/0	18/0	21/0	24/0	30/0	36/0	per dozen.
572	Improved Flat Shank Tower Pincers..	..	..	11/0	12/0	13/6	15/0	17/0	20/0	23/0	26/0	29/0	35/0	40/0	
L2-5	Best Lancashire	15/0	18/0	18/0	21/0	21/0	24/0	24/0	31/6	31/6	35/0	35/0	44/0	54/0	"

CUTTING NIPPERS.

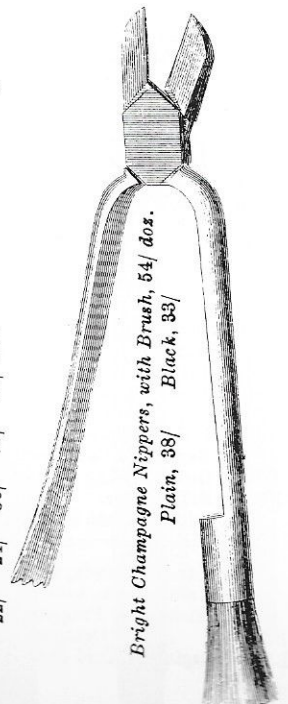
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BELLHANGERS' or BOTTLERS' CUTTING PLYERS, to Cut at Side.

	5	5½	6	6½	7	8	inches.		
575	Best Bell Plyers, Square-nosed.....							21/0 22/0 24/0 25/6 27/9 32/6 per dozen.	576 London Pattern, same prices.
573	Lancashire Bell Plyers							20/0 20/0 22/0 28/0 36/0 48/0	„
578	Improved Best Combination Bell Plyers, with Notch								
Champagne Nipper,—Black, 33/0. Bright, 38/0. With Brush, 54/0. Soda Water Nippers,—Black, 20/0. Bright, 26/0 per dozen.									



To 5 1/2 6 6 1/2 7 8 inch
22/ 24/ 30/ 38/ 50/ doz.



FARRIERS' PINCERS, &c.

		9	10	11	12	13	inches
607 $\frac{1}{2}$	Best Farriers' Pincers	20/	22/	24/	27/	30/	per doz.
607 $\frac{1}{2}$	Strong " " Broad Joint..		27/	30/	33/	36/	"
		6 $\frac{1}{2}$	7	8	9	10	inches
261	Best Saddlers' Pincers.....	20/	24/	32/			per doz.
B607 $\frac{1}{2}$	Best Upholsterers' Pincers, Wide Jaw ..		42/	48/	54/		"

SHOE TOOLS.

	5½	6	6½	7	7½	8	8½	9 inch
Bright Shoe Hammers			10/6	10/6	12/	13/	14/	16/ doz.
Black Tower Nippers.....	6/	6/6	7/6	9/	10/			"
Common Bright ,,	5/	5/6	6/6	7/6				"
Shoe Punch Pliers, 20/; extra	Punches, 3/ per doz.							
					1	2	3	
Eyelet Closing Pliers.....					18/	20/	22/	per doz.

HAND SHEARS or TINMEN'S SNIPS.

	7	8	9	10	11	12	13	14	15	16	inches
593 Straight	19/	20/	24/	27/	33/	36/	42/	48/			per dozen
593 Bent		35/	38/	42/	46/	51/					"
593 Scotch, with Bows....						72/	78/	84/	90/	96/	"

		7	7½	8	8½	9	inches
594	Tinmen's Pliers.....	10/	12/	14/	16/	18/	per dozen

Tinmen's or Braziers' Stock Shears, 1/2 ; Block, 1/3 per lb. Bookbinders', 1/3 per lb. Pasteboard and Brushmakers' Shears, made to order.

GAS PLIERS.

A590 Bright Burner or Nipple Pliers, 5 inches, 1 hole, 10/9. B590 with 2 holes, 5½ inches, 15/ per dozen

		6	7	8	9	10	11	12 inches
592	Best Tower Gas Pliers, 2 holes	16/	18/	20/	24/	28/	32/	36/ per dozen
592S	„ Scotch „ 2 „ }	28/	28/	30/	32/	40/		„
592N	„ Improved „ 2 „ }							„
H036	Pliers for breaking Glass, H036		30/	33/	41/	50/		„
		For $\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 inch Pipes
591	Gas Pipe Tongs, Black.....	28/	32/	36/	40/	45/	50/	56/ per dozen

PLIERS (various) FLAT and ROUND NOSE.

		3 to 4	4½	5	5½	6	6½	7	inches		
580	Square-Nosed Common Black Pliers, Wrought.....	4/4	4/4	4/8	5/3	6/3	7/3		per doz.	34½A	Malleable, from 3/ per doz.
581	" Middle Bright " "	5/6	6/	7/6	9/	10/6	12/	13/6	"		
582	" Best Bright or Black " "	8/3	8/3	9/3	10/8	12/6	14/3	16/6	"	If Jewellers, 3½ inch, 7/3	No. 35½
L161	" Best Black Lancashire " "	12/	12/	12/	14/	18/	24/	28/	"	If Round Nose, 162L, same price	
583	Round-Nosed Best Black Pliers " "	8/3	8/3	9/3	10/8	12/6	14/3	16/6	"	If Blunt Ends, 584, 3d. per dozen extra	
585	Bright Watch Pliers, Short Sharp, Square-Nosed	9/8	9/8	9/8	11/	13/			"	588 Best Reed Pliers, Cut Jaws, 4¾ inch, 8/6 per doz.	
586	Long Fine-Nosed Pendulum Pliers, same prices								"	588½ Common Reed Pliers, Black, 4½, 5/9	"
587	Best Black Stockingers' Pliers, Long Flat-Nosed, Smooth Jaws	8/6	8/6	9/3	11/8	13/	15/6				
587½	Common " " " " " " " " " " " "	6/3	6/3	7/3	8/6	9/6	11/				
589	Bright Weavers' Nippers	3/3	per dozen.		589½	Weavers' Shears, 4/ per dozen					

Burling Irons, Wax Flower Nippers, &c., made to order.

Common Hop Pliers, from 3/6 per doz. Best, from 6/ per doz. Railway Ticket and Sheep Ear Pliers, made to order.

COMPASSES and DIVIDERS.

		3 to 4	4½	5	5½	6	6½	7	8	9	10	12 inches			
B594	Best Bright Rule-Joint Compasses, Steel Points	5/	5/	5/	6/	6/	8/	8/	10/6	12/6	15/	doz.	If	Double Joints, 2/6 extra	
595	„ Joiners' Black Plain Compasses, Best Steel Points..		7/	7/	8/3	8/6	9/9	10/	11/6	15/	16/6	„	If	Bright all over, same price	
52L	„ Lancashire „ „ „ „ ..		12/	12/	15/	15/	17/	17/	20/	22/	24/	„	If	extra price	
596	„ Joiners' Black Wing Compasses „ „ „ ..		12/	12/6	15/	15/	17/6	18/	20/	25/	28/	36/	„	If	all over, same price
53L	„ Lancashire „ „ „ „ ..		17/	17/	20/	20/	22/	22/	24/	26/6	29/	43/6	„	If	extra price
597	Common Pocket Shipwrights' Compasses, Bright or Black	3/	3/3	3/6	3/9	4/	4/3	4/6							
R595	Bright Plain Compasses, Round Legs, Steel Points			7/	8/3	8/6	9/9	10/	11/6	15/	16/6	„			
R596	„ Wing „ „ „ „ ..			12/6	15/	15/	17/6	18/	20/	25/	28/	36/	„		
G596	„ „ „ Grooved Wings „ „ ..			16/		18/6		21/	21/	26/6	29/	„			
B595	„ Plain „ „ Button Joints „ „ ..			6/6		8/		9/3	10/6	12/		„			
M596	Black Wing Millwrights' Compasses, with Adjusting Nut			21/3		24/6	28/	32/	40/	46/6	58/6	„			
D331	Brass Drawing Compasses	5/		6/3		7/6	9/	10/6				„			
P332	„ „ „ with Pencil Holder.....			16/6		20/	23/	26/				„			
599	Black Spring Dividers, Bright Bows	12/	12/	12/	12/	12/	14/	15/	17/	All Bright, same price.			Assorted 3 to 6 inch, 12/ doz.		
599B	Best Lancashire „ „ ..	17/3	17/3	17/3	17/3	17/3	20/	20/	24/6						
601	Black „ „ ..	30/	30/	30/	30/	30/	36/	36/	42/						

CALLIPERS (Various).

		3½ to 5	5½	6	7	8	10	12	inches
602	Bright Egg Callipers, Best Steel	6/3	7/6	8/	13/3	17/	26/	36/6	per dozen
608	Narrow " " to pass	6/3	7/6	8/	13/3	17/	26/	36/6	"
604	Plain In and Out Callipers	13/9		18/6	27/	39/			"
S605	Winged In and Out Callipers	21/		25/	30/	44/	51/	66/	"
B605	Curved Wing In and Out Callipers	22/		27/	45/	54/			"
F680	Plain Callipers, Button Joint								
F681	Best Plain Callipers "								
F682	Grooved Wing Callipers								
F683	Best do. do.								
	Wing or Plain Ship Mast Callipers, if above 12 inch. to any size, to order.								

to Net Prices at time of ordering

Masons' Chisels, assorted Patterns, 9d. per lb.; hardened, 10d. per lb.; assorted Small, 1d. per lb. extra.

Marble Tools, assorted Mallet headed, per dozen; Hammer headed, per dozen.

Bricklayers' Plugging Chisels, 12/ per dozen.

Octagon " 8 to 12 inches, 9d. per lb. ; assorted Small, 5 to 7 inches, 1/ per lb.

Engineers' Cold Chisels, 1/ per lb.

11500 Two-Hole Burner Pliers, 3 1/2 inch, 16/



4590 If One-hole, 5 inch, 10/9



592 Tower Gas Pliers



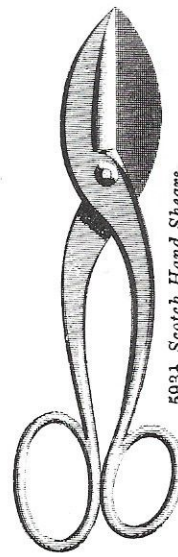
592N Improved Gas Pliers



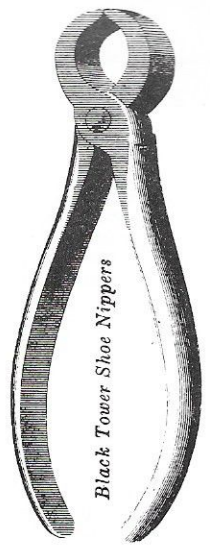
591 Gas Pipe Tongs



593 Snips or Hand Shears



593 1/2 Scotch Hand Shears

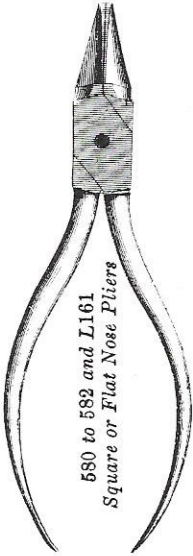


Black Tower Shoe Nippers

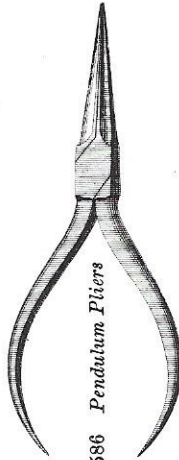


583

Best Round Nose Pliers



580 to 582 and L161
Square or Flat Nose Pliers



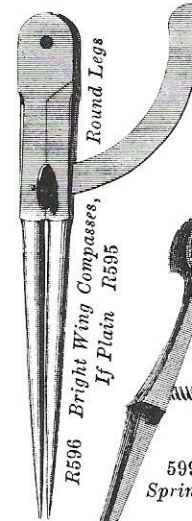
586 Pendulum Pliers



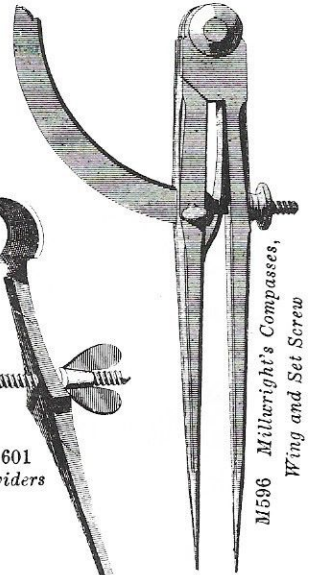
595 Plain Black Compasses



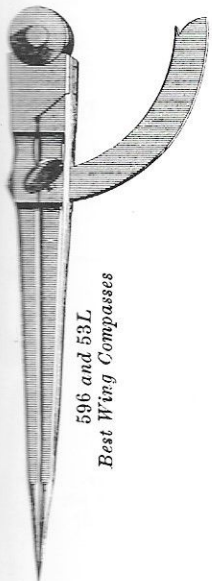
597 Common Pocket Compasses



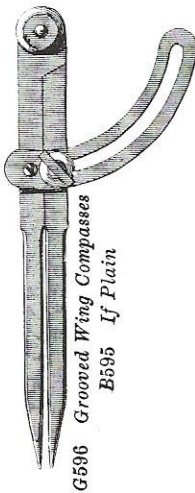
R596 Bright Wing Compasses,
If Plain R595



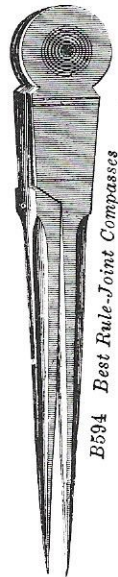
M596 Miller's Compasses,
Wing and Set Screw



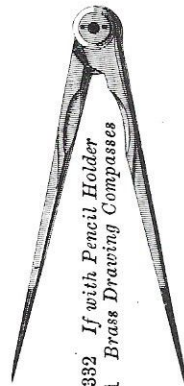
596 and 53L
Best Wing Compasses



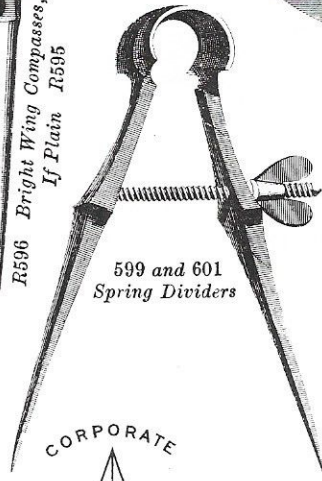
G596 Grooved Wing Compasses
B595 If Plain



B594 Best Rule-Joint Compasses



P332 If with Pencil Holder
D331 Brass Drawing Compasses



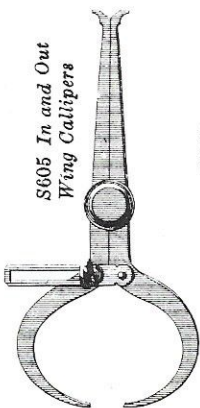
599 and 601
Spring Dividers



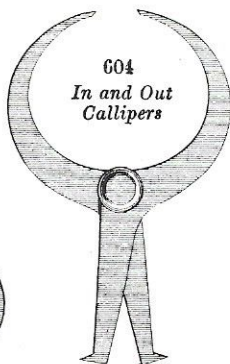
MASONS' TOOLS



602
Best Egg
Callipers



S605 In and Out
Wing Callipers



604
In and Out
Callipers



608 Steel Callipers, to pass



Mason's Claw Tool



Mason's Point



Mason's Bolster



Mason's Chisel



Bricklayer's Octagon Chisel



G.S. Plugging Chisel

FRET CUTTING & AMATEURS' TOOLS, &c.

		To 12	14	16	18 inch
604B	Best Flat Buhl Saw Frames.....	2/9	3/6	4/	5/ each
604C	„ Oval „	3/9	4/6	5/3	6/3 „
603 ₁	Common Flat, 1/ or 10/6 in dozen lots.				
NB	Best qualities Handles, Screw to tighten Saw.				
165A	Piercing Saw Frames, 1/. 165 If polished, 1/4 each.				
	Treadle Fret Sawing Machines—Roger, Holly, Demus and other Machines—				
	Quotations on application.				

Quotations on application.	No 00 to 4	5	6
Piercing Saws or Fret Webs, best	3/4	4/	4/6 per gross
Fret or Needle Files, Common, 4 inch, 11/3 ; Best, 15/	per gross		
Fret Cards, 5 on ard, 4/9 per doz. cards.			
Fret Illustrations, assorted Designs, Foreign small Sheets, 3/4 ; large, 4/8 doz.			
" " " " British Designs, 6/ to 18/ per doz. sheets.			

In ordering, please say if mostly Photo. Frames or Brackets required.

FRET WOOD.

Seasoned and prepared Mahogany, Walnut, Oak, Holly, Plain Maple	
or Cedar, $\frac{1}{2}$, $\frac{3}{8}$, $\frac{1}{4}$ inch.....	1/ per lb.
Cherry, $\frac{1}{4}$ inch thick, or Butternut, $\frac{3}{8}$ inch thick.....	1/ "
Bird's Eye Maple, $\frac{1}{8}$, $\frac{3}{16}$ or $\frac{1}{4}$ inch thick	1/2 1/2 "
Rosewood, $\frac{3}{8}$, $\frac{1}{2}$ or $\frac{1}{4}$ inch thick	1/5 1/2 "
Slabs of other Hard Woods and Ivory Strips to order.	

Handled extra fine Brad Awls, for starting Fret Saws, Round, 16/; Oval, 18/6
per gross

F1	Shell Gimlets, extra fine	} Prices as assorted Gimlets, Page 23.	
F9	Twist " " "		
452	Boxwood Awl Pads, improved with Rosehead Bit, Rimer, Turnscrew, Gimlet, &c., inside Handle, 10 Tools.....	18/8 per doz.	
452½	" " " " " " " " " " "	12 " " " " " " " " " " "	
C453	" " " " " " " " " " "	12 Tools with Saw, Corkscrew and Shoe Awl carded on fancy Cards	20/ 28/ "

T11	Turnscrew Handle, with two sizes of Turnscrew Bits, Rosehead Bit and Shell Bit, 1/9 per set.
-----	--

699 Cards of Fret Tools, with Buhl Saw Cramp, Saw Blades, Fret Files, Brad Awl and Illustrations, 2/4 per card.

		Nos.	1	2	3
154	Chests, Polished Pine, for Fretworkers	10/	15/	20/	each
154H	" " " for Fret and Carving	20/	30/	40/	"
155	" " Oak, " "	22/	32/6	43/3	"

(Racks, with Tools, page 21.)

DRILLS, CRAMPS, VICES, &c.

		6	7	8	9	10	12	inch
683B	Archimedian Drills and Bits	1/6	1/8	2/	2/3	2/4	2/6	each
684D	" " " " Brass Handled.	1/9	2/	2/6	3/	3/3	3/6	"
695	" " Pinion or Fret Drills & Bits, common, 6 in., 6/6 doz., in Paper Boxes							
								or Cards of six, or parceled.
696	" " " " with Adjusting Nut, 7 in., 10/ doz.							" "
697	" " " " " "				12/			" "
698	" " " " " "							" "
203	" " " " Hollow Handled				27/			" "
	Extra Bits for above Cards of 30, 2/4 per card.							

		6	8	10	12	inch Drills
203A	Ditto for	7/	9/3	11/9	13/9	per gross
	American Hand Drills, Whitney's, 5/ each; Miller's, 6/ each.					

		To 2½	3½	4½ inch.
C605½	G Cramps, common Malleable Japanned	3/8	..	.. per doz.
605	„ Bright Wrought	7/6	10/	12/ „
A300	„ Best Black Strong Square Thread	15/	20/	25/ „
H424A	Bench Anvils, 1 lb., 18/6 per doz.; larger, 1/6½ per lb.			
H424F	Bick „ 1 lb., 18/6 „ „ 1/6½ „			
H424B	Stake Irons, 1 lb., 12/ „ „ 1/ „			

			1	2	3	4	5	6	7	8	10 lbs.
M19	Bench Vices, Common Malleable.	1/1	1/11								each
C678	" " Wrought, Steel Jaws	3/8	3/8	3/8	4/8	5/6	6/6	7/6	9/3	"	
H6811	" " Parallel				14/6	17/6	21/6	23/6	26/6	33/6	

				43L	2	43K	43H
Table Vices, small, for Watchmakers, &c....	3/4	4/10	5/	5/	each		
" " " " Parallel, Improved,	6/	each.					

0125	Best Hand Vices,	$\frac{3}{8}$	4	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6 inch.	$44\frac{1}{2}$	Com. $4\frac{1}{2}$ inch
F9	with Steel Jaws,	16/6	17/6	18/6	22/	27/6	32/ doz.		11/6 doz.
44G	Parallel Hand Vice, Wood Handled, Improved,	$\frac{4}{4}$ each.							
66S	Hand Vices, Wood Handled, $\frac{3}{8}$ or 4 inches,	2/ each.							
	Pin Vices, Iron or Wood Handled,	2/ each.							

CRAMPS, &c.—Continued.

3	Wood Mitre Blocks, from 10/8 per doz.			
P526	Picture Frame Corner Cramps, 10/ per doz.	To 1 3/4	3	4 inch
		Nos. 1	2	3
B526 1/2	Picture Frame Corner Cramps, Booth's Improved..	2/6	3/6	6/ per pair
B4	" " Mitre Cutters, No. 1, 17/; No. 2, 33/6 each.			

BRACES, &c.

100D	German Braces, Wood Ball Handles, 10/6 per doz.			
100	" " " "	Best,	13/9	per doz.
99	" " Iron Swelled Handles, 16/ per doz.			
		With	6	12 18 Bits
100A	German Braces, with Bits, on card	2/	3/	4/ per card
100C	Common German Braces, with Bits on card ..			3/4 "
99½	Strong Iron " " " "			7/3 "
98	Wood " " " "			6/8 "
	German Centre Bits, cards of 12, 1/8 per card.			
	" Bits, Assorted, cards of 12, 1/9; cards of 24, 5/4 per card.			
97	Buffalo Pattern Brace, 10/8 per doz.			

		Sweep	8	10 inch
A22	Common American Brace		2/8	3/ each
95	Common " " with Ratchet, 10 inch, 4/8 each			

		6	8	10	12 inch.
T058	Blow Pipes, Plain	4/	4/6	5/	5/6 per doz.
T059	" Ball End	4/6	5/	5/9	6/6 "

SOLDERING IRONS, &c.

		Nos. 1	2	
694	Soldering Irons, in Toy Sets, in Card Boxes	10/8	16/	per doz. sets
		Nos. 1	2	3
693	Soldering Irons, Best, Copper Bits	5/	7/6	10/ each
693½	„ „ Handles and Shanks only, Assorted		per doz.	
692	Iron Plumb Bobs, 10 ounces, 3/8 per doz.			

BICYCLE WRENCHES, &c.

691	Bicycle Wrenches at 13/4, 20/, 30/ per doz.	
690	" " Best Eclipse, 39/	"
689	" " Improved, 18/8 per doz.	"
688	Oil Cans, Tin, Common,	289B Best, 6/ per doz.
	" Brass,	" 8/3 "
	Bells, Prices Net, according to sizes and qualities.	

Bicycle Steel for Manufacturing or Repairing, of all kinds, for Tyres, Axles, Springs, &c., to net quotations.

Amateur Lathes, complete with Metal Frames, from 51/ each.

TURNING TOOLS, &c.

		Sets of 9	12	18	24
685	Amateur Set of Turning Tools, Handled....	10/8	15/-	22/6	30/- per set
684	American Lathe Drill Chucks to order.				
684	Gut Hooks, from per doz.				
683	Glass Lubricators, from per doz.				
682	Pad Saw, with Iron Handle, 11/3 per doz.				

CURLING TONGS, &c.

586	Goffering Irons, 2 Bars, 5/.	587	3 Bars, 8/ per doz.
H201	Curling Tongs, Wood Handles, 5/6 per doz. ; if carded, 6/6 per doz.		
B201	" " " "	Best, 9/6 per doz. ; if carded, 10/8 per doz.	
H105	" " Iron	Common, 4/8, if Turned Handles, 5/ per doz.	
H100	H100 Best, 9/6 per doz.		
681	Gouge Carpet Stretchers, 6/ ; Rosewood Handled, 10/ per doz.		
680	Carpet Stretchers, Improved Japanned, 8/ per doz.		
678	Common Marking Gauges, Rule Stems, 3/ per doz.		

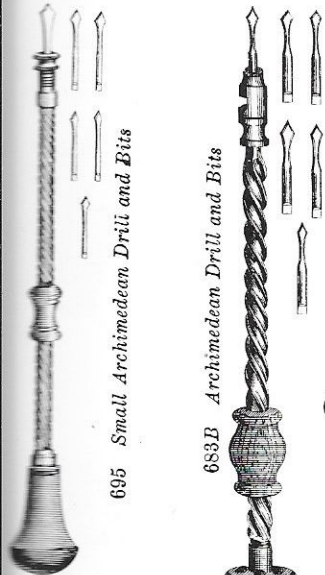
WATCHMAKER'S TOOLS.

670	American Watchmakers' Pin Vices, 4/6 each, Nickel Plated.
671	" " Screw Drivers, 4 sizes, 1/3 each, Nickel Plated.
674	" " " adjustable with 4 Blades, 3/6 each.
	" " Extra Blades, 3/6 per doz.
673	American Improved Hand Vices, 6/6 each.
677	Small Hack Saws, from 6/ per doz.
53	" Gent's Dovetail Saws, from 10/8 per doz.
672	Walnut Shuteing Boards, with Plane, 4/ each.

NOTE.—Some of the above Goods are of Foreign manufacture and are not warranted, besides they are more liable to fluctuations in prices than British Goods. We do not guarantee in every case to advise alterations in prices.—J. H. & SONS.



680 Japanned Carpet Stretcher



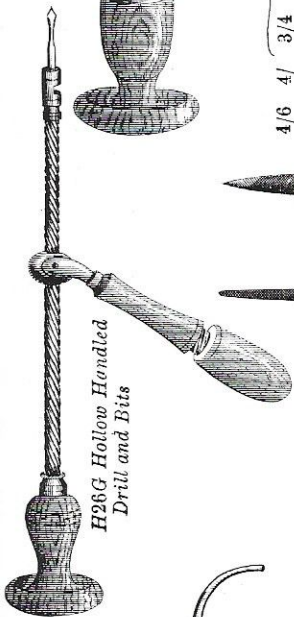
695 Small Archimedeal Drill and Bits



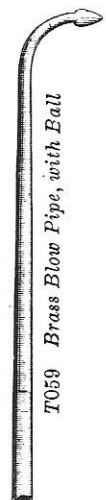
682 Pad Saw, 11/3 per doz.



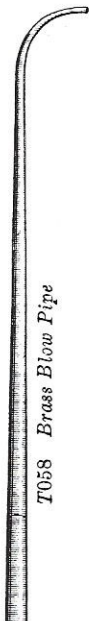
693 Soldering Iron, Copper Bit



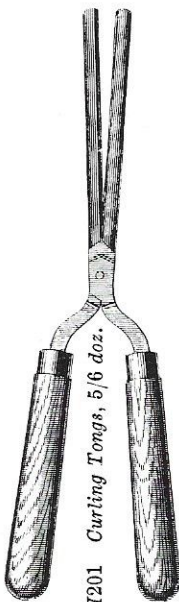
H26G Hollow Handled Drill and Bits



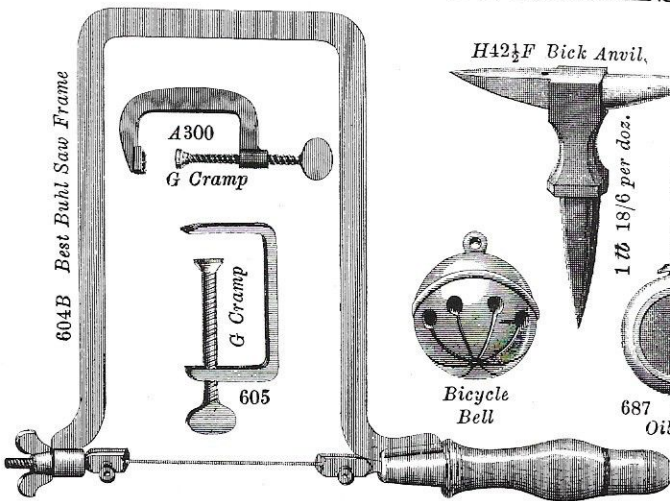
T059 Brass Blow Pipe, with Ball



T058 Brass Blow Pipe



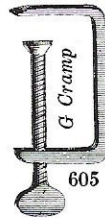
H201 Curling Tongs, 5/6 doz.



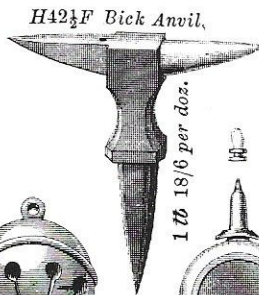
604B Best Buhl Saw Frame



A300 G Cramp



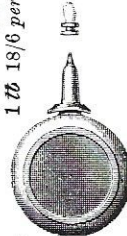
G Cramp 605



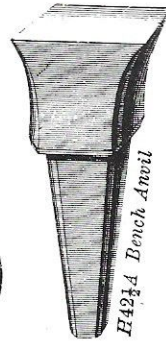
H42 1/2 F Bick Anvil, 1 to 18/6 per doz.



Bicycle Bell



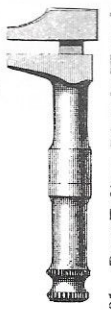
687 Bicycle Oil Can



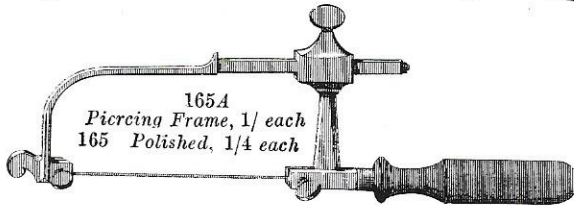
H42 1/4 Bench Anvil



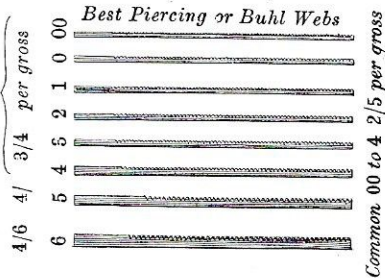
690 Bicycle Wrench, 18/8 doz.



691 Best Eclipse Bicycle Wrench, 39/ per doz.



165A Piercing Frame, 1/ each
165 Polished, 1/4 each



Best Piercing or Buhl Webs

Common 00 to 4 2/5 per gross
4/6 4/ 3/4 per gross
6 5 4 3 2 1 0 00



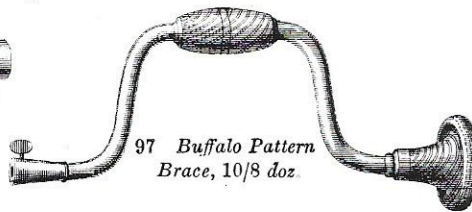
Fret or Needle Files, assorted shapes



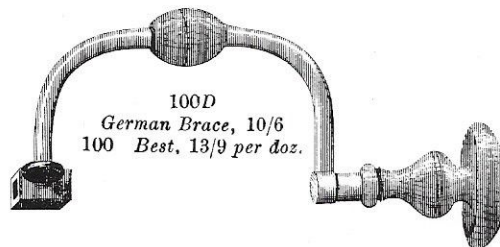
B526 1/4 Corner Cramp



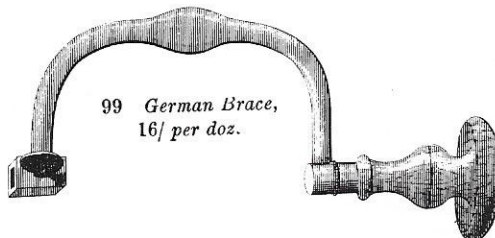
684 Gut Hook



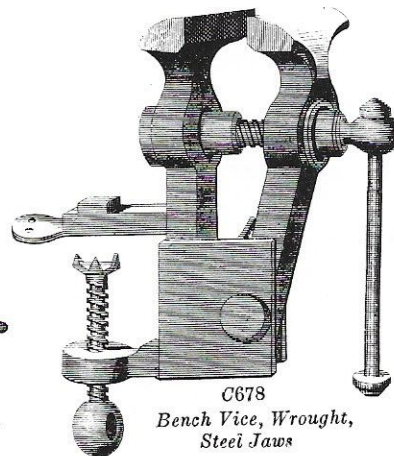
97 Buffalo Pattern Brace, 10/8 doz.



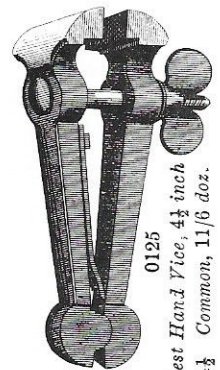
100D German Brace, 10/6
100 Best, 13/9 per doz.



99 German Brace, 16/ per doz.



0678 Bench Vice, Wrought, Steel Jaws



0125 Best Hand Vice, 4 1/2 inch 44 1/2 Common, 11/6 doz.



665 Pin Vice, 2/ each



44G Hand Vice, handled, 3 1/2 or 4 in. 2/ each

RACKS, with TOOLS, &c.

		Cards of										5	6	7	8	tools				
B608	Cards of Boys' Tools.....	2/										2/6	3/3	4/	per card					
		1										1A	2	2A	3	4	5	6	Nos.	
B608	Racks complete with Tools.....	4/6	5/	5/4	6/	7/6	9/	10/6	12/	each										
B609	" " Cooks' Tools	6/	6/6	7/6	8/	11/	14/	17/	20/	"										
B610	" " Greenhouse "	10/	15/		20/		25/	30/	35/	"										
No. R608 Racks 1A and 2A, better Chisel and Pincers.																				
No. R609 Racks 1A and 2A, better Cooks' Fork.																				
The above are very useful presents.																				
611	Firewood Saws, 4/3 each.	612	Best, 5/4 each.										613	Common, 3/6 each						

IRON PLANES.

614	Iron Toy Planes, 3½ × 1 inch Iron, 10/6.	611	Common, 6/ per doz.
615	" Chamfer Planes, 11/3.	S615	Small, 6/ per doz.
616	" " 4 × 1 inch Iron, 18/8 per doz.		
617	" Duplex " with two Mouths, 14/6.	S617	Small, 8/8 per doz.
675	" Bull Nose " 26/8 per doz.		
602	" Block Plane, 5½ × 1½ inch Iron, 1/10 each.	603	With Lever, 2/9 each.
610	" " 7½ × 1½ " 2/9 " 620 " " 4/ "		
609	" " 6 × 1½ " 6/4 " "		
609	" " 6 × 1½ " Round Back Handle, 7/4 each.		
615	" " 7 × 1½ " 8/ "		
H1	" " 7 × 1½ " with Jack Handle, 11/4 each.		
636	" Smooth Plane, 10 × 2½ inch Iron, with Wood Sole, Iron Mount, 11/8 each.		
H104	" " 9 × 2½ " 12/ each.		
603	" " 8 × 1½ " 13/4 " "		
604	" " 9 × 2 " 14/8 " "		
605	" Jack Plane, 14 × 2 inch Iron, 16/8 each.		
606	" " 18 × 2½ " 21/4 " "		
607	" Trying Plane, 22 × 2½ inch Iron, 24/8 each.		
613	" Compass Planes, Adjustable Steel Flexible Faced, 1½ inch, 17/4 each.		
H113	" " new pattern, 1½ inch, 17/4 each.		

		2 and 2½	2½ and 2½
P378	Iron Smooth Plane Soles.....	18/	20/ per doz.
P375	" " Fronts complete, with Screw, 15/6 per doz.		
P376	" " Malleable "	18/	
P354	Walnut Mounted Iron Smooth Planes, 9/, 10/, 11/, 12/, 13/ each.		
P355	Ebony " Gun Metal "	15/ 17/ each.	
P351	Iron Shoulder Planes, at 12/, 13/, 14/ each.		
P352	Gun Metal " at 14/, 16/, 18/ "		
P353	Steel Faced " at 16/, 18/6, 21/6 "		
	Other London and Scotch made Iron and Gun Metal Planes to <u>Makers' Lists.</u>		

(Wood Planes, see page 27.)

IRON SPOKESHAVES, ROUTERS, &c.

621	Iron Spokeshaves, Common, 10/.	622	12/.	623	16/.	624	18/ per doz.	
625	" "	Bent, 12/.	626	16/ per doz.				
D626	" "	with two Irons, 18/ per doz.						
627	" "	Shoemakers' Heel Shaves, 40/ per doz.						
628	" "	or Box Scraper, 26/8.	629	Large, 38/8 per doz.				
630	"	Chamfer Shave, 25/4 per doz.						
631	"	Circular Rabbet and Fillister Router, 3/ each.						
632	"	Sash Router, 3/6 each.						
633	"	Quirk " 3/8 "						
634	"	Bead Router—						
		$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	1 inch
		3/4	3/7	3/9	4/	4/3	4/5	4/8 each
		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1½	1½ inch
635	Hollow Augers	4/4	4/8	5/	6/8	7/4	8/8	9/4 each
636	" "	Improved Expansion, takes $\frac{3}{8}$ to 1½ inch,	24/ each.					
637	Spoke Trimmers, 4/4 each.							

SPIRIT LEVELS.

618	Iron Pocket Levels to adjust to Square, 5/4 per doz.											
619	" Engineers' Levels, Brass Faced, 6 inch, 19/3 per doz.											
620	Mahogany Long Plumb Levels, 18 to 30 inch, 75/ "											
		4	6	8	10							
1212	Boys' Common Spirit Levels.....	6/	9/	12/	15/							

HORSE CLIPPERS, EGG BEATERS, &c.

638	Horse Clippers, Penjot's, 6/4 each.	639	Sabatier's, each.
640	" " Clarks', "	640B	Bown's, "
644	" Clipping Scissors, sold nett.		
645	Egg Beaters, Dover pattern, 8/8 per doz.	645E	Eureka per doz.
646	" Propeller " 12/8 "		
		mounted on Jars, sold nett.	
647	Ice Axes, with Pick, Common, 8/.	648	Best, Steel, 16/ per doz.
649	Cooks' Bow Saws and Frames, 12 inch, 2/8; 14 inch, 3/ each.		
650	Iron Twine Boxes, to Hang, Japanned, 6/.	B650	Bronzed, 8/3 per doz.
652	" " on Stands, B652 " 16/6 "		
654	" " Dome pattern, Bronzed, 18/9 per doz.		
655	Victor Nail Pullers, 8/8 each.		

		8	10	12 inch
656	Case Openers, Chisel and Claw.....	19/3	22/	24/ per doz
657	Cast Coal Hammers, Handled, 8/ per doz.			
658	Clarke's Expansion Bits, takes $\frac{1}{2}$ to $1\frac{1}{2}$, 7/6; $\frac{3}{4}$ to 3 inch, 10/10 each.			
659	Spring Balances, from 5/4 per doz.	660	Salter's, from	per doz.
	Emery for dressing Cutlers' Leather Buffs, sold nett.			
	Glaziers, Leathered and with Spindles, for Cutlers' use, sold nett.			
	Emery and Glass Cloth, Oakley's, sold nett.			
1017	Steel Quoits, Black, sold nett.			
1018	" Bright "			

MALLETs, BENCH SCREWS, &c.

		6	7	8 inch
G661	Stonemasons' Mallets.....	21/	24/	27/ per doz.
G662	Hickory, Beech or Ash Timmen's or Tapping Mallets, from 6/ per doz.			
G663	Boxhead, " 13/6 to 20/ per doz.			
G664	Plumbers' Dressers, Beech, 14/.	665	Boxwood, 28/ per doz.	
G666	Bossing Mallets, 21/.	667	Chase Wedges, 11/6 per doz.	
G668	Plumbers' Turn Pins, 3/3.	669	Best Boxwood, from 6/ per doz.	

		2	2½	2½ inch
G670	Carpenters' Bench Screws, English.....	22/	24/	25/ per doz.

		12	14	16	18 inch
G679	Cabinetmakers' Hand Screws.....	15/	16/6	18/6	21/ per doz.

		2	2½	2½	2¾	3	3½	3½	4	4½	5 inch
1000	Magnets..	2/8	3/	3/4	3/8	4/4	5/	6/	8/	10/	12/ per doz.
		" larger and more powerful, for scientific purposes, to order.									

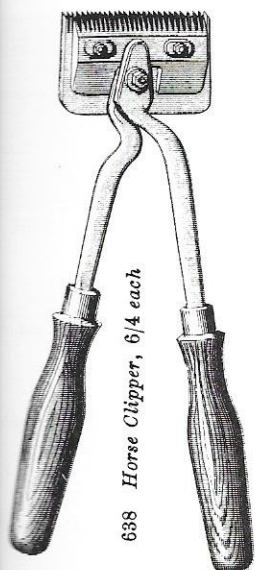
SHELF BRACKETS, COAT HOOKS, LOCK FURNITURE, &c.

		3 × 4	4 × 5	6 × 8	8 × 10	8 × 12 size
1001	Japanned Shelf Brackets, Plain..	1/3	1/9	3/6	5/9	7/ per doz.

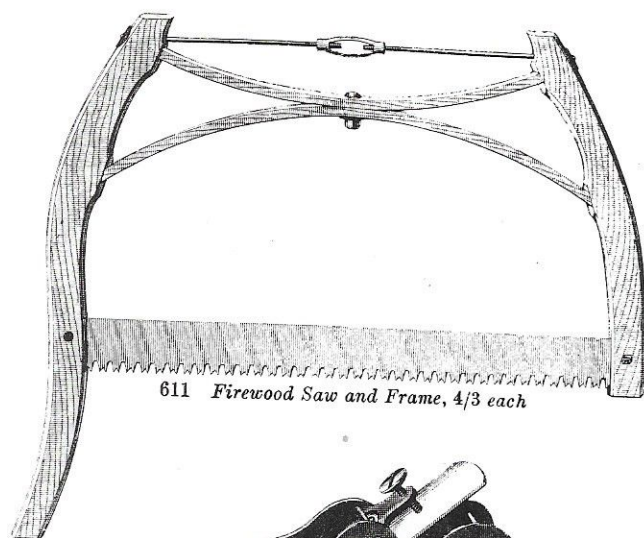
		3 × 4	4 × 5	5 × 7	6 × 8	7 × 9	8 × 10	9 × 12 size
1002	Japanned Shelf Brackets, Network Pattern....	2/	2/8	4/	4/9	5/4	7/	10/ per doz.
1003	Bronzed do. do. ..	3/9	4/9	5/4	7/3	9/	11/6	14/6 "
1004	Bronzed Shelf Brackets, Scroll Pattern.....	4/	5/	6/9	7/9	9/3	12/	15/4 "
1005	Bronzed Shelf Brackets, Japanese Pattern....	4/8	6/4	8/9	10/	12/	15/4	18/9 "
1006	Bronzed Wardrobe Hooks, five Hooks to the set, 3/ per doz. sets.							
1007	Japanned " double, curved, in 6 doz. boxes, 4/8 per gross.							
1008	Hat and Coat Hooks, from 8/4 per gross.							
1009	Brown Mottled Rim and Mortice Lock Furniture, 6/ per doz.							
1010	White Porcelain " 7/4 "							
1011	Bronzed Paper File Hooks, 3/8 per doz.							
1012	Tack Hammers, Nickel Plated, Assorted Patterns, 8/ per doz.							
1013	Floral Toy Tools, in Card Boxes, 2/4 per box.							
1014	" " in Wood " 2/8 "							

		6 × ½	8 × 5/8	10 × ¾	12 × 1 inch
1015	Floral Toy Syringes, Brass.....	10/6	15/	21/	29/ per doz.
1016	Common Square Padlocks, 2/3 per doz.	1017	Large, 6/ per doz.		

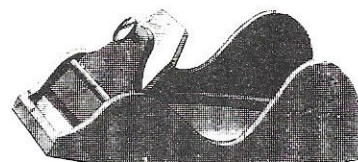
NOTE.—Foreign Goods liable to fluctuations, we do not guarantee to advise every alteration.—J. H. & Sons.



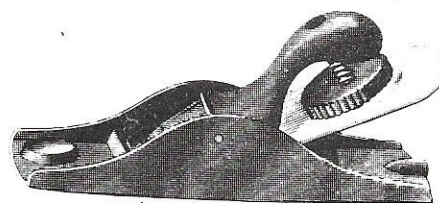
638 Horse Clipper, 6/4 each



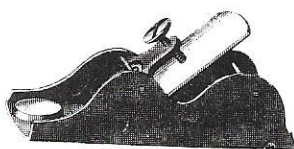
611 Firewood Saw and Frame, 4/3 each



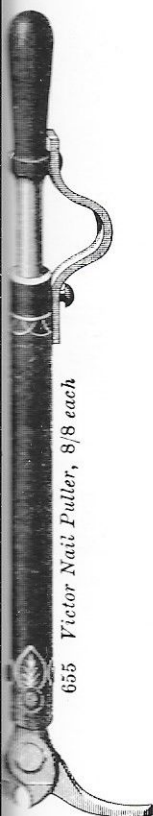
615 Chamfer Plane, 11/3
S615 Small, 6/2 per doz.



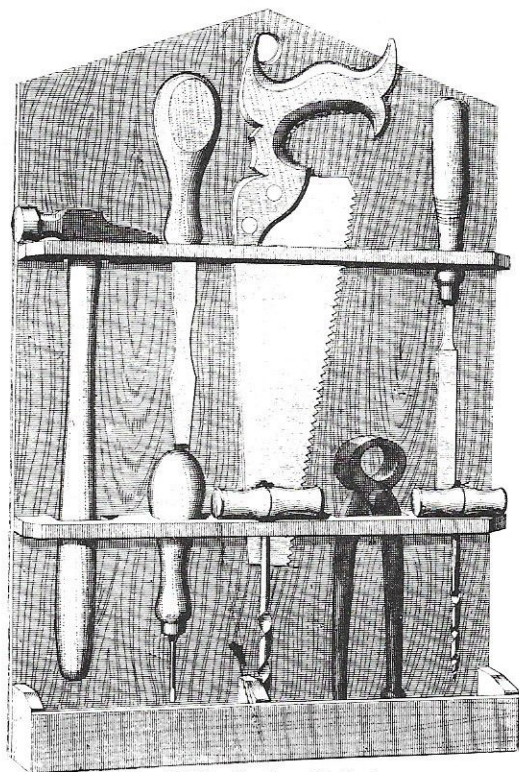
4x1 inch Iron Plane,
616 If Chamfer Plane, 18/8 per doz.



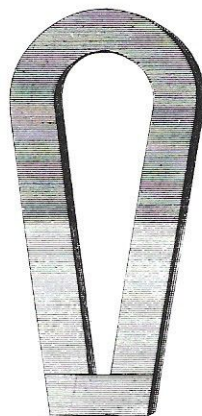
617 Duplex Plane, 14/6
S617 Small, 8/8 per doz.
Two Mouths—combines Chamfer and Smooth



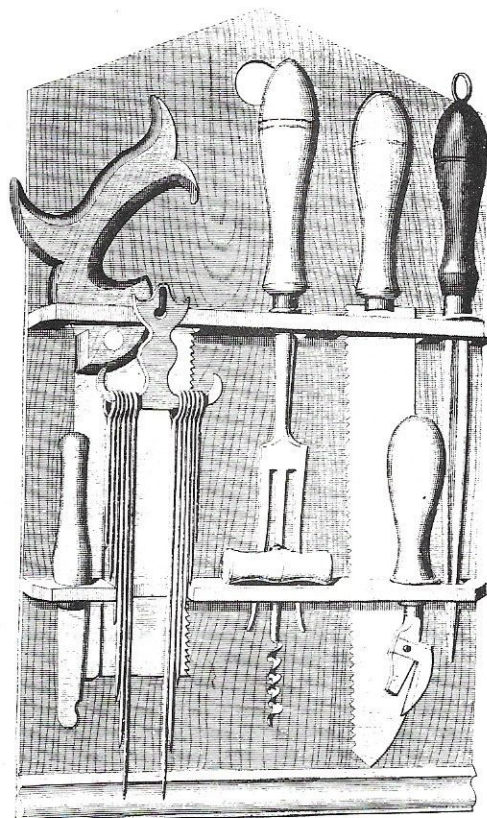
655 Victor Nail Puller, 8/8 each



R608 Rack, with Tools
R610½ If with Greenhouse Tools



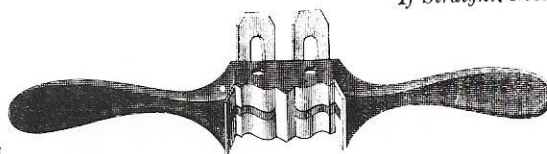
1000 Magnets



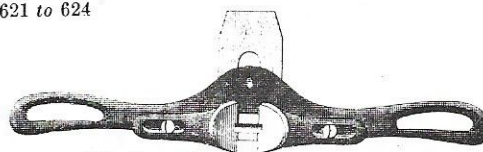
R609 Rack with Cooks' Tools



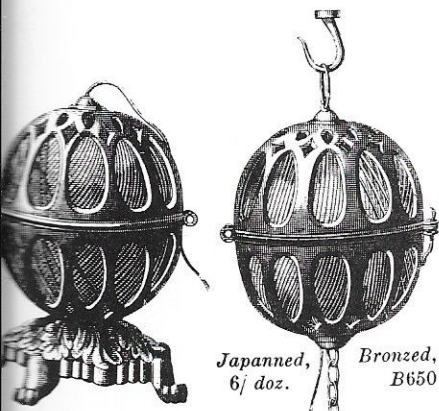
625 Iron Spokeshave Bent, Best, 626
If Straight, Nos. 621 to 624



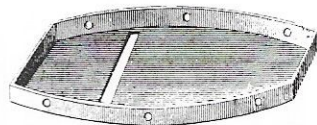
632 Iron Circular Sash Router, 3/6 each.



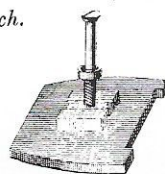
630 Iron Chamfer Shave, 25/4 per doz.



Japanned, 6/ doz.
Bronzed, 8/3
B650



P378 Iron Smooth Plane Sole



P376 Iron Smooth Plane Front



1017 Steel Quoits, Black
1018 If Bright

Bronzed Twine Boxes, 16/6 per doz.
650 Twine Boxes to hang

MATHEMATICAL INSTRUMENTS, &c.

	Mathematical Brass Instruments	in Universal Case,	2/4 each.						
950	" "	" " "	in Wood Case,	8	Instruments	1/2	each		
951	" "	" "	6 x 3½ Wood Case,	11	" "	2/	" "		
952	" "	" "	6 x 4 "	11	" "	3/4	" "		
953	" "	" "	7 x 4 "	11	" "	4/	" "		
954	" "	" "	8 x 4½ Rosewood Case,	11	" "	5/3	" "		
955	" "	" "	7 x 4½ "	12	" "	6/8	" "		
956	" "	" "	8 x 4½ Mahogany	15	" "	11/4	" "		
957	" "	" "	8 x 5 Fancy	15	" "	18/8	" "		
958	" "	G.S.	9 x 6 Rosewood	17	" "	26/8	" "		
959	" "	" "	9 x 6 Bound	16	" "	29/6	" "		
D331				4	5	6	7	8	inch
F332				5/	6/3	7/6	9/	10/6	per doz.
	Drawing Compasses, Brass			16/6	20/	23/	26/		
	" " and Pencil Holder								

PUTTY AND DECORATORS' KNIVES, &c.

		4	4½	5	5½	6	inch
5516	Painters' Elastic Putty Knives, Clip Point, Ebony Handles	8/6	8/6	9/6	10/	11/	per doz.
5516	" " " " Spear " "	8/6	8/6	9/6	10/	11/	"
1023	" Stiff Putty Knives, Square Point, Cocoa Handles	8/6					"
504	Glaziers' " " " " Spear " " Ebony	"	7/				per doz.
504N	" " Notched " " " " " "	"	8/4				"
501	" " Stiff " " " " " " Cocoa, 6/;		Notched,	501N,	7/		doz.
509	" " Hacking Knives, Leather Handles, Best ..	8/					per doz.
508	" " " " " " " " " " Seconds	6/8					"
510	Plumbers' Chipping " " " " " " Best ..	13/4					"
		5		5½			inch
1049	Trowel Shank, Painters' Stopping Knives, Rivetted Handles	16/		17/6		18/9	per doz.
		2	2½	3		4	inch.
1022	Decorators' Chisel Knives	12/	14/6	17/		23/	per doz.

PAINTERS' PALLET KNIVES, &c.

Painters' Elastic Pallett Knives, Cocoa Handles—									
4	5	6	7	8	9	10	11	12	inch
5/4	6/6	8/	10/3	13/	17/	22/6	29/6	38/6	per doz.

1520	Potters' Pallett Knives, 23/ per doz.
1024	Gilders' Knives, Plain Shoulder, Cocoa, 9/ per doz.
1024	" Balance Ebony .. 11/ "

BREAD KNIVES.

		Beech. Rosewd. Ebony.				
1025	Bread Knife, Scale Through-tang, 7 inch Blades	10/8	13/	14/	per doz.	
		Nos. 1046	1047	1048	1049	1050
	„ Carved Wood Handles..	12/	16/	20/	24/	28/ per doz.
		Wheatear 701	Fluted 702	Spiral 703		
	„ Carved Bone Handles..	12/	18/8	21/4 per doz.		
		7	8	9	10	12 inch
1047	Counter Knives	10/	12/	15/	20/	28/ per doz.

GRAINING COMBS, &c.

1019	Graining Combs, Sets of 30 inches assorted, 3/6 per Set.			
1020	" " " in Tin Case, 3/9 per Case.			
1G	" " Bellamy's India Rubber, 6d, per inch.			
2G	" " Machines, revolving, to order			
3G	Combined Rollers, Sets of 6, to order.			
		No. 1043	1044	1045
	Glass Cutters	9/3	14/6	8/8 per doz.
4050	Pocket Horse Picks, 10/8 per doz.			
1021	Carriage Key and Corkscrew combined, 20/ per doz.			

SHOE KNIVES (marked Howarth).

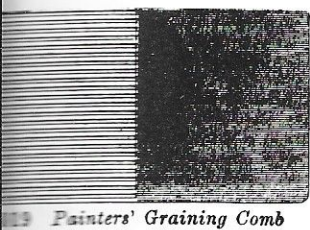
631	Shoemakers' Knives, Scale Tang	4½ 4¼	5 5¼	5½ inch 6/ per doz.
629½	Round Handles	3½ 3/	4 3¼	4½ inch 4/ per doz.
628	Hoop and Taper Point..	3¼	3/9	4¼ "

SHOE KNIVES.—(Wilson's List Prices)

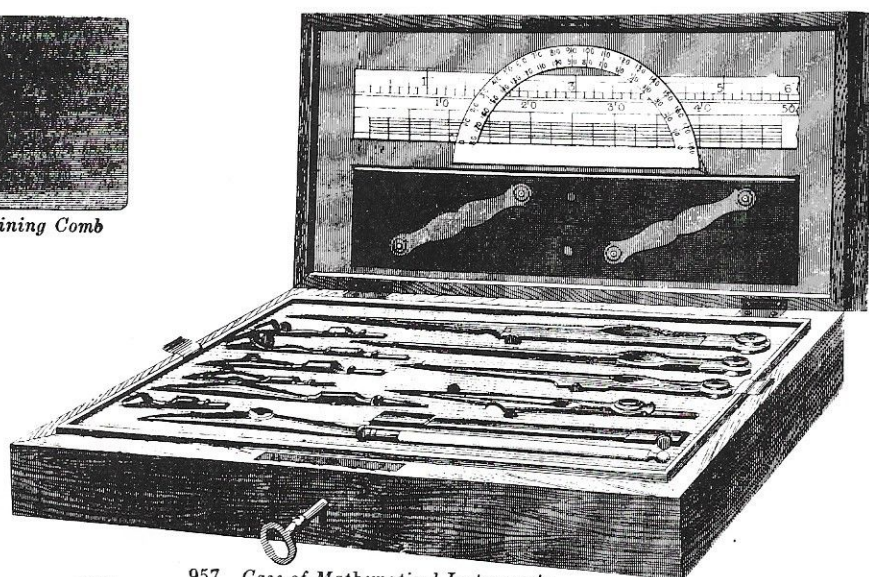
	No. 260	263	69	72	291	275
Wilson's Shoe Knives ..	3/9	3/9	3/	3/6	2/8	5/ per doz.
	4½					2½ inch
Square, No. 1	3/ per doz.	Sheep Foot, Taper, Clip,				3/9 per doz.
Rond, 01	3/ „	Ferruled, 08			..	3/9 „
„ 09	3/3 „					
	Nos. 72-3½ in. 2-5 in. 08-4½ in. 8-5 in. 12-6 in.					
Wilson's Shoe Knives.....	3/6	3/3	3/3	3/6		5/6 per doz.
	8F-5 in.					291-3½ in.
„ „ Square, Ferruled, 4/	Wilson's Shoe Knives, Taper, 2/8					

PLATE POWDER, POLISH, &c.

Goddard's Plate Powder at 8/ per doz.	
Pickering's Polishing Paste, for Brass, in Chip Boxes	7/ per gross
" " " "	Tin " 15/ "
" " " "	Pots..... 3/ per doz.
" Plate Powder, 3/6; No. 32	.... 7/ per doz.
" Harness Blacking, 4/; No. 52	.... 7/ "
" Razor Paste	..... 3/6 "
" Knife Powder, 4/; No. 42	..... 8/ "
" Furniture Polish at 8/ and 16/ per gross	
" And at 2/6, 3/6, 4/, 5/, 8/ per doz.	
Adams' Furniture Polish, at 5/6, 10/, 18/ per doz.	
Birk's Lustre, at 4/ and 8/ per doz.	
Oakey's Wellington Knife Polish, at 4/ and 8/ per doz. Net.	
Cubley's Marble Restorer, 5/6, 10/, 16/ per doz.	
Elephantine or Ivory Polish, at	per doz.
Brunswick Black, Pickering's, No. 61, 4/ per doz.	



Painters' Graining Comb



957 Case of Mathematical Instruments



Nº 51 4/ doz.



41, 4/
42, 8/



In Pot, 3/ doz.
Nº 1.



31, 3/6
32, 7/



51, 4/
52, 7/



21, 3/6 doz.



50, 10/8 doz.



1025 Bread Knife, Scale Tang



1046 Bread Knife, Carved Handle



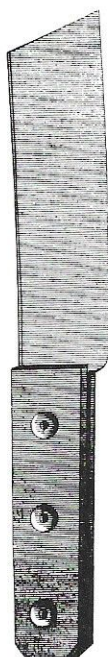
1047 Counter or Butter Knife



1021 Carriage Key and Corkscrew



C516 Fainters' Putty Knife, Elastic, 5 in.



509 Best Glaziers' Hacking Knife



520 Best Palette Knife, Elastic



631 Shoe Knife, Scale Tang



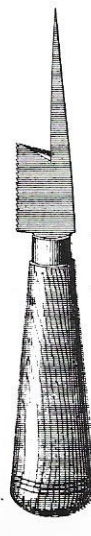
629½ Shoe Knife, Square Point



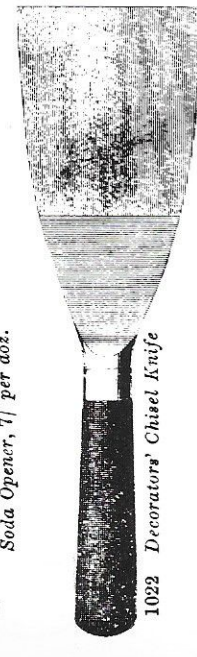
628 Shoe Knife, Taper Point



Billingsgate Oyster Knife, 4 per doz.



Soda Opener, 7 per doz.



1022 Decorators' Chisel Knife



1043 Glass Cutter, 9/8 per doz.



1044 Glass Cutter, 14/6 per doz.



1045 Glass Cutter, 8/8 per doz.

BUTCHERS' KNIVES. (Made from Howarth's Best Double Shear Steel, and carefully Hardened and Tempered.)

BUTCHERS' KNIVES.		5	6	7	8	9	10	11	12	inch
R657	Best Butchers' Knives, Ebony Handles, Through-tangs, Warranted	8/6	9/8	12/	13/8	17/	20/6	24/6	29/6	per doz.
R657	" " " Rosewood " " "	8/4	9/6	11/10	13/6	16/9	20/3	24/3	29/3	"
R657	" " " Boxwood " " "	7/6	9/	11/4	13/	16/3	19/8	24/	29/	"
650	" " " Beechwood,, 4-pins " "	5/2	6/4	8/4	10/6	13/	16/3	21/	26/	"
R657S	" " " Steak Knives, Boxwood Handles, Thro'-tang,,	6/	7/6	9/10	11/6	14/9	18/	22/6	27/6	"
1041	" " " " Bone " " "	} Prices on application.								
1042	" " " " Stag " " "									
		4½	5	6	7	inch				
653	" " " Sticking Knives, Rose Handles	8/	8/4	9/6	11/10	per doz.				
651	" " " London Siding or Skinning Knives, Hollow Back and Round Points, same prices as R657.									
		5½	6	6½	inch					
0111	" " " Lancashire Dressing Knives, Boxwood Handles.....	9/	10/6	11/	per doz.					
0248	Cranked Butter Knives, Plated.....	33/ per doz.								
0240	" " " Unplated ..	16/8 "								
0250	Lard Knives.....	10/ "								

BUTCHERS' STEELS.

		9	10	11	12	inch
0151	Barwood Inlaid Handle Strong Butchers' Steels, Iron Shackles	22/	25/	29/	33/	per doz.
0152	Ebony " " " "	22/6	26/	31/	35/	"
0153	Self-Tip Brass Ferruled Light Butchers' Steels, Iron Shackles	23/6	24/6	26/	27/6	"
0157	" " " " Brass Shackle and Fittings	33/6	36/6	40/6	44/	"
0155	Stag Handle " " " " Iron Fittings	25/	29/	31/	34/	"

HAM AND COOKS' KNIVES, &c.

				10	12	13	14	15	16	18	inch
1035	Ham Slicers, with Beech Handles, beaded			18/6	25/	32/	40/		62/6		doz.
1035½	" " 4-pin Ebony Scale Tang, Candle End			18/6	25/	32/	40/	50/	62/6	90/	"
2811	" " Stag, Bare Head			22/6	31/	37/6	46/				"
4501	Beef Slicers, Rosewood			20/	28/	35/	43/6	56/	64/6	100/	"
<hr/>											
				6	7	8	9	10	12	inch	
1037	Cooks' Knives, French, Ebony Handles			12/6	13/9	15/6	16/6	21/	24/	per doz.	
1047	Counter " Rosewood "				10/	12/	15/	20/	28/	"	
1038	Cooks' Forks, French Ebony Handles	12/ per doz.									
1039	" " Best English, Beaded Handles	14/ "									
1040	" " " " with Brass Guard ...	24/ "									

SAILORS' SHEATH KNIVES.

561	Sheath Knives, with Barwood Handles, 3 Pins, 2/9 per doz.
461	" " " Rosewood Handles, 3 Screw Rivets, 6/ per doz.
850	" " " Ebony Handles, Brass-Hooped Ends and 2 Screw Rivets, 6/ per doz.
760	" " " Green River Ebony Handles, 2 large Screw Rivets and Shield, 8/6 per doz
660	" " " Rosewood Handles, 2 Screw Rivets and Shield, 4 6 per doz.

BUTCHERS' KNIVES.

22A

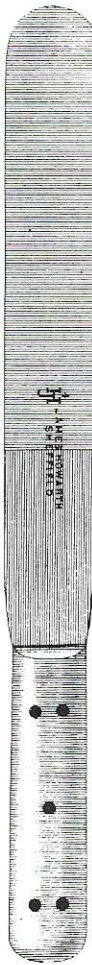
1035 1/2 Ham Slicer, Saddle Tang, Ebony Handle. If with Stag Handle, extra



4501 Beef Slicer, Rosewood Handle. If with Stag Handle, extra



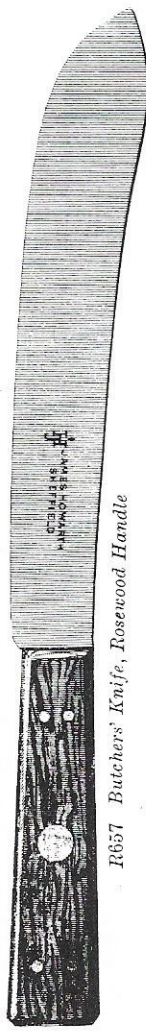
B657 S Butchers' Steak Knife, Boxwood Handle



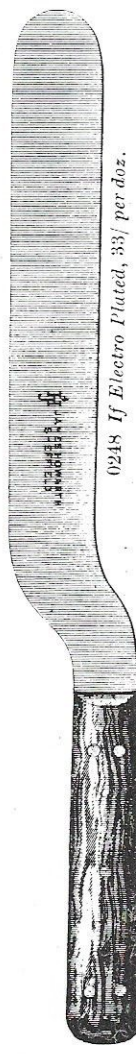
0250 Lard Knife, Boxwood Handle, 10/ per doz.



1047 Counter Knife, Rosewood Handle



R657 Butchers' Knife, Rosewood Handle



0248 If Electro Plated, 33/ per doz.

0249 Cranked Butter Knife, 16/8 per doz.



0157 Strong Butchers' Steel, Self Tip Handle, Brass Fittings.



0152 Strong Butchers' Steel, Ebony Inlaid Handle, with Iron Shackles.

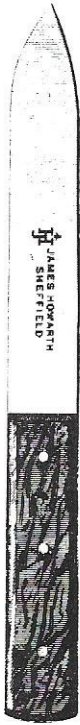


0153 1/2 Light Butchers' Steel, Self Tip Handle, Brass Guard Ferrule, with Iron Shackles

653 Butchers' Sticking Knife, Rosewood Handle



561 Sailors' Sheath Knife, Barwood Handle, 2/9 per doz.



461 Sailors' Sheath Knife, Rosewood Handle, 6/ per doz.



650 Butchers' Knife, Beechwood Handle



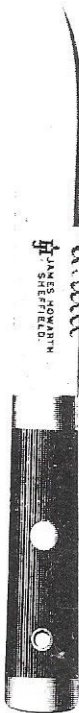
B657 Best Butchers' Knife, Barwood Handle



0111 Best Lancashire Dressing Knife, Barwood Handle



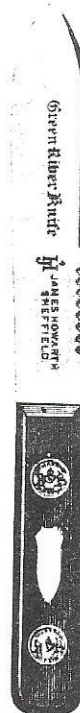
850 Sailors' Sheath Knife, Rosewood Handle, Brass Ferrule, 6/ per doz.



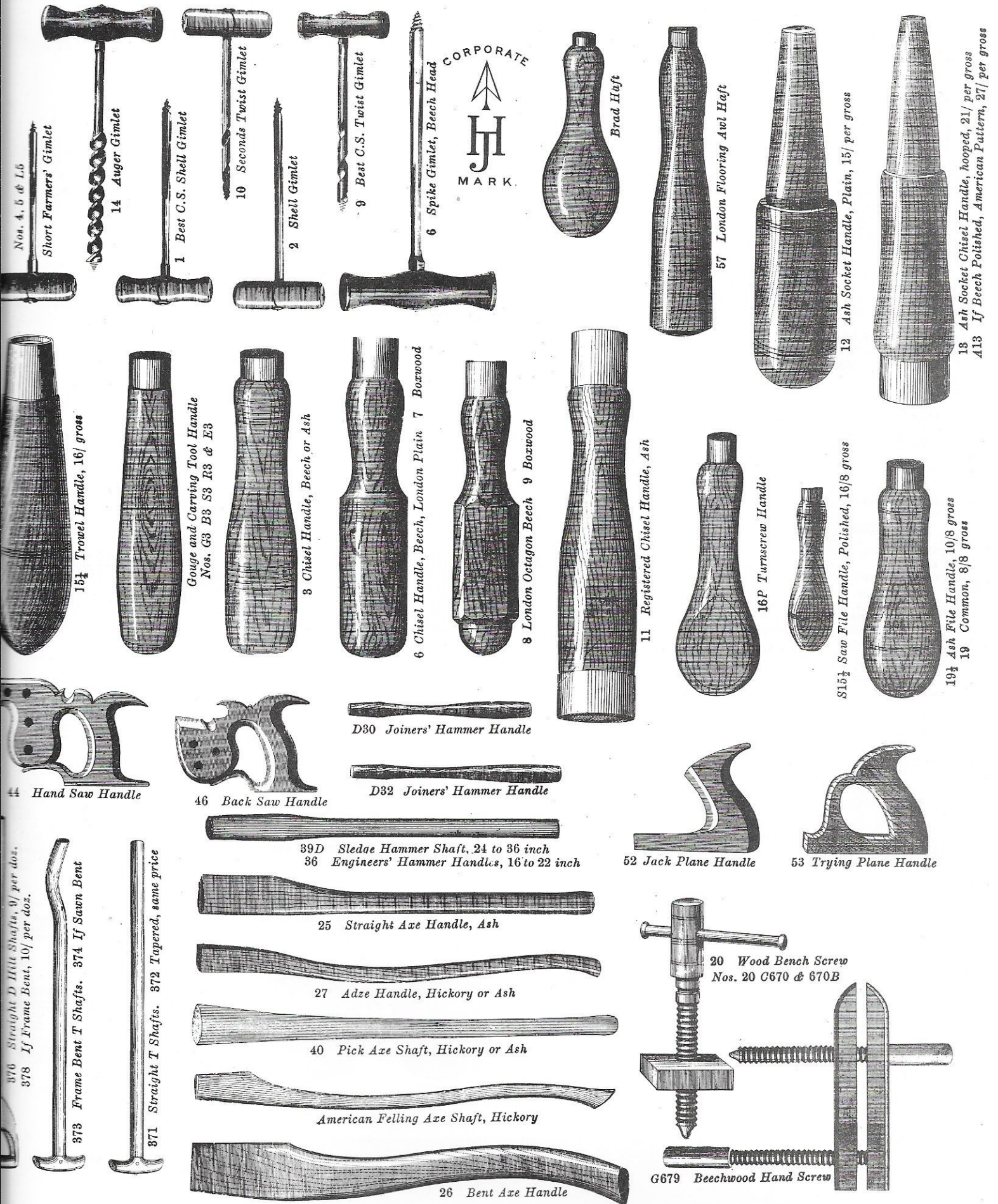
660 Green River Sailors' Sheath Knife, Rosewood Handle, 4/6 per doz.



760 Best Green River Sailors' Sheath Knife, Ebony Handle, 8/6 per doz.



B8 Bellhangers' Gimlet



BRAD AWLS.

	Assorted	Assrt'd. Large.	All Large
25	Brad Awls, Round Beech Handles ..	16/	17/6
25B	" " Ash " Best	17/4	19/
26	" " Oval Beech	18/6	20/
26B	" " Ash Handles, Best	20/	21/6
26	" " Handled, assrt'd. extra fine to small, Round, 16/; 26 Oval, 18/6		25/
27	Flooring Awls, Round Beech Handles, 2/6 per doz.		
L27	" " London Pattern, Round Ash Handles, 3/4 per doz.		
28	Brad Awl Blades, Best, with Flat Tangs, 5/4	L28	London, 6/4 per gross
	" " assorted extra fine to small, 5/4 per gross		
	" " " large, 6/6; assorted, all large, 8/		per gross
32	Flooring Awl Blades, assorted 2½ to 3 inch, 13/6 per gross		
1050	Moulders' Long Blades	No.	478 479 480 472
1051	Shoe Sewing Awl "		
1052	Saddlers' "	Peg Awl Hafts	6/8 8/4 9/3 11/ doz.
1053	" Strap "	476	Saddlers' Hafts & 6 Awls. 11/8 "
1054	Shouldered Square "	477	Shoe " 6 " 11/8 "
1055	" Round "		
41	Hollow Hand Pricker Pads, 8 Tools, Beech, 6/8 per doz.		
41½	" " " 8 " Boxwood, 8/8; 41½ 12/; 41½ 16/ per doz.		
E41½	" " " 8 " Ebony, 18/8 per doz.		
P42	Improved " Boxwood, 10 Tools, 20/; 12 Tools, 21/ per doz.		
B42	" " Rosewood, 22/; R42 Ebony, 24/ doz.		
	" " Boxwood, 12 Tools, carded, at 28/ per dozen cards		
M42	Iron Hand Pricker Pads, 12 Tools, 18/8 per doz.		
458	" " " 8 " 15/; 10 Tools, 23/ per doz.		
W42	Wood Hand Pricker Pads, 20 Tools, American Pattern, 4/6 each		
T42	Boxwood Thumbscrew Pad, with Saw, 12 Tools, 33/ per doz.		
1056	Boat Piercers' Awls, 14/6 per gross		

		To	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$ inch
1057	Boat Gimlet Bits, Flat Tangs	24/	28/	32/	per gross

1058 Paper Stabbers, Beech Handles, 3/; Box, 3/6; Rose, 4/; Ebony, 4/6 per doz.
92 Marking Awls, 2/8 per doz. 93 Handled, 2/8 per doz.
94 Striking Knives, 4/3 per doz.
1059 Mattress Needles, } Sold Net.
1060 Trussing " }

1061	Packing Needles	1 3/8 5 7 inch	Assorted to	inch	per doz.
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PUNCHES.

40	Brad Punches, Round, Flat or Square, or assorted, Bright, 2/; Black, 1/6 doz.
43	Flooring
T502	Centre or Dot Punches, milled, 10/ per doz. " " 4/ " 3/ "
P500	" " Black Octagon, 5/6 por doz.
H500	" " Strong Black, Octagon, 10/ per doz.
1062	Joiners' Stamps & Stamps for Steel, to order; also sets of Figures, Brands, &c. Gun Wad Punches, to net prices

		No. 0	1	2	3	4	5	6	7	8	9	10	11	12
561	Saddlers' Leather Punches..	4/	4/	4/	4/	4/	4/	6/	5/	6/	7/	8/	9/	10/ doz.

			No.	13	14	15	16	17	18	19	20
"	"	"	..	12/	14/	16/	18/	20/	22/	26/	30/ doz.

562 Best Saddlers' Leather Punches, warranted, 2/ per doz. extra
Harness and Ticket Punches, jimped, 32/ per dozen
Common Shoe Punches, 2/9, 3/, and 3/6
~~Shoe~~ Shoe Punch Nipples, No. 000 to 10, 3/ "

BENCH CLAWS, PLUMB BOBS, &c.

91 ~~Iron~~ Bench Claws or Stops, 13/9; 91L Large size, 24/; P465 Deep, 23/ per doz.
95 Cast Iron Plumb Bobs, assorted, 3/4 to 2 lbs.; 6/8 per doz.
96 Lead Plumb Bobs, 1/ per lb.

		No. 0	1	2	3	4	5	6	7	8	9	10	
P403	Brass Plumb Bobs..	10/8	13/9	16/	17/	19/	21/6	24/6	32/	40/	46/	59/	doz.
97	" Steel Point, impd.	10/8	13/4	16/	20/	24/	29/3	34/9	40/	48/	56/	64/	"

TRAMMEL HEADS, &c.

424	Trammel Heads, with Pencil Holder, 2/3 per pair
428	" " " large, 4/3; extra large, 5/ per pair
431	" " Scotch Pattern, 5/ per pair
70	Joiners' Oval Cedar Lead Pencils, Best, 8/6; Superior, 11/3 per gross
73	" Deal " 5/ per gross
72	Long " " 14 inches, 10/ per gross; 12 in. 9/ per gross
71	Office Cedar Pencils, 11/6 per gross

HONES or OILSTONES.

W48	Carnarvon or Grecian	Hones	7½d.	per lb.	per doz.
W49	"	Slips	1/	"	or 3/6 "
48	"	Hones Labelled & Selected	8d.	"	"
49	"	Slips	1/1	"	or 3/9 "
L46	Charnley Forest	Hones	7½d.	"	"
L51	"	Slips	1/	"	"
59	Nova or Canada	Hones	5½d.	"	"
58	"	Slips	11d.	"	"
1069	Washita or Ouachita	Hones, best Labelled...	2/	"	"
1070	"	" seconds	1/9	"	"
1071	"	Slips best	4/	"	"
1072	Arkansas	Hones	5/	"	"
1073	"	Slips	6/8	"	"
1074	Turkey	Hones	1/8	"	"
1075	"	Slips		8/	"

1076	Water of Ayr Stones.	1077 Derby Bats.	1078 Devon Bats.
1079	Welsh.	1080 Waterloo.	1082 Talacre.
	And other Scythe Stones to Net Prices	1083 Dressed Talacre	
1080	German Razor Hones—Common, 18/8;	1081 Best, 33/ per doz.	
0101	Pen Knife Hones, 6/8 per doz.;	Mahogany Cased, 24/ per doz.	
W101	Grecian	5/	
	Indian Pond Stones, Red ends, 17/6 per case of 6 doz.		
53	Grecian Hones, in Polished Pine; 53B Beech; 54M Mahogany Cases		Net
1082	Mahogany Cased Washita Hones		Prices
1083	Lightening Rock Hones, 6/8 per dozen		

SCRAPERS, SHAVE HOOKS, &c.

		4	4½	5	5½	6	inch
80	Scraper Blades, Square Ends	2/8	3/	3/6	3/9	4/	per doz.
80R	" one round end	3/2	3/6	4/	4/3	4/6	
80H	" one end round & one hollow	3/8	4/	4/6	4/9	5/	"
1084	Horse Scrapers, long, two-hand, Blued Steel	.11/	per doz.				
1085	" Composition	14/6	"				
1086	" one-hand, curved, Blued Steel	14/6	"				
1087	" " " Composition	19/	"				

Ship Scraper Blades, prices page 13.

	Triangular Hoe		"	"	...	
T202	Plumbers' Shave Hooks, Triangular, or P202 Pear Shape, 10/8	per doz.				
C202	"	"	"	"	Cranked Shanks	11/
1088	"	"	"	"	Gauge Shave Hooks, 11/6	per doz.

1089	Blind Roller Ends, Beech,	per gross of pairs
------	---------------------------	--------------------

101	Chalk Lines, 60 feet.	Cotton, 25/; Hemp, 28/ per gross
102	" " 60 feet.	Boilermakers', 22/ per gross

OIL CANS.

		Without Handles.	With Handles.
60	Oil Cans, Joiners', Tin	4/8	5/ per doz.
61	" " Brass Bottoms	5/8	6/ "
62	" Sewing Machine	5/	"
62C	" Common	4/	"
467	" Bicyclists', Tin	6/	"
C467	" " Common	4/6	"
409	" " Brass	8/6	"


		$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1 pint
1090	Engineers' Oil Cans, with Copper Spouts ..	12/6	13/6	15/	17/6	per doz.
F1090	" " with Tin Spouts	11/6	12/	13/	16/	"

TOOL BASSES, &c.


1063	Tool Basses, 1063 Joiners', and 1064 Painters', bound, to Net Prices
1065	„ Joiners', bound and lined, with Pockets, „

GLUE KETTLES, &c. .


1091	Glue Kettles,)	6-0	5-0	4-0	3-0	2-0	0	1	2	3	4	5	No.
	Cast Iron)	1/	1/2	1/4	1/6	1/8	1/10	2/1	2/7	3/2	3/10	4/6	each
1092	Do. Copper Pans	1/8	1/9	1/10	2/1	2/3	2/5	2/9	3/4	3/11	4/6	5/6	"
G1093	Glue Brushes and	G1094	Sash Tools,	sold Net.									



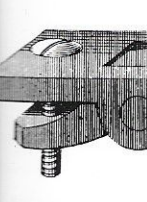
25 Handled Brad Awl 26 Oval




L27 London Pattern Round Handled Flooring Awl



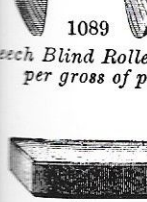
Gouge Slip, Grecian Nova 1071 Washita



80 Scraper Blade with Curved Ends, extra




91 Bench Claw or Stop




1061 Packing Needle



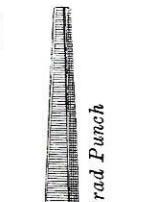
1089 Beech Blind Roller Ends per gross of pairs




Hones or Oilstones



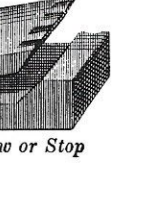
28 Improved Brad Awl Blade 32 Flooring



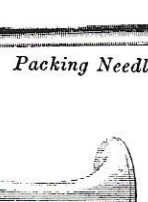
1058 Paper Stabber




40 Round Brad Punch




1062 Gun Wad Punch




561 Saddlers' Punch




P502 Centre Punch, milled



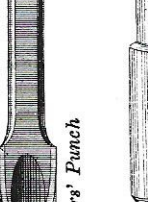
P202 Plumbers' Shave Hook



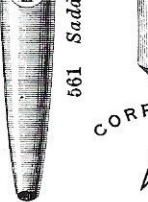
T42 Hollow Hand Pricker Pad, with 12 Tools



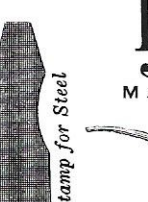
92 Marking Awl or Point




94 Striking Knife




1057 Boat Gimlet Bit



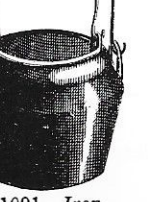
1056 Boat Pierce Awl



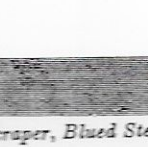
1051 Shoe Awl Blades



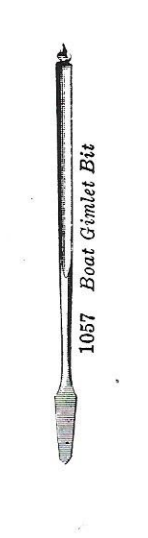
1053 Strap Awl




414 Hollow Pricker Pad, with 8 Tools



P42 Hollow Hand Pricker Pad




Stamp for Wood



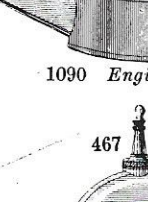
Joiners' Stamp



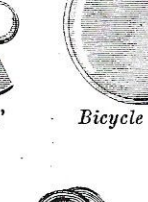
Stamp for Steel




1090 Engineers' Oil Can



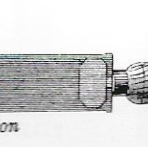
Plumb Bob



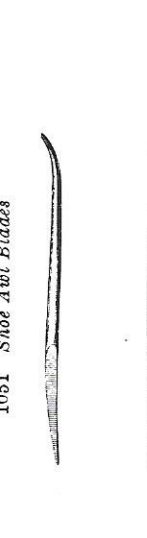
95 Iron 96 Lead




99 Trammel Heads, with Pencil Holder



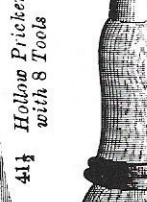
1084 Long Handled Horse Scraper, Blued Steel 1085 Composition




62 Sewing Machine Oil Can



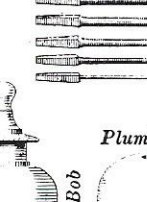
60 Joiners' Oil Can



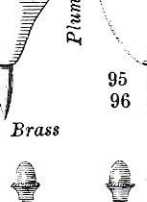
Bicycle Oil Can



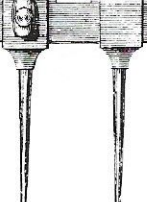
Plumb Bob



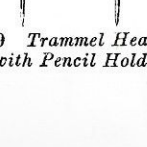
1063 Joiners' Tool Bass



1092 Copper



1091 Iron



Glue Kettles to Makers' Lists

Handled in Boxwood, Ebony, or Rosewood,
with Brass Ferrules, 6/ per dozen extra.

No.		with Brass Ferrules, 6/ per dozen extra,																2 inches.
		$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{7}{8}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	
701	Straight Carving Chisels.....	6/	6/	6/	6/	6/	7/	8/	8/	10/	11/	12/	14/	15/	16/	18/	20/	
702	Do. do. do. Skewed, right or left hand	6/	6/	6/	6/	6/	7/	8/	8/	10/	11/	12/	14/	15/	16/	18/	20/	
703 to 709	Do. do. Gouges,	7/	7/	7/	7/	7/	8/	9/	9/	12/	13/	14/	16/	18/	20/	21/	24/	
710	Do. do. do. Straight Fluting	8/	8/	8/	8/	8/	9/	12/	14/	16/	20/	24/	30/	33/	36/	39/	42/	
711	Do. do. do. Deep Fluting	8/	8/	8/	8/	9/	12/	14/	16/	20/	24/	30/	36/	39/	42/	46/	50/	
721	Spoon Bit or Entering Chisels (if skewed same prices)	7/	7/	7/	7/	7/	8/	10/	11/	12/	14/	15/	18/	20/	24/	27/	30/	
724 to 730	Do. do. Gouges,	8/	8/	8/	8/	8/	9/	13/	15/	18/	20/	24/	28/	28/	28/	28/	28/	
731 & 732	Do. do. do.	8/	8/	8/	8/	10/	13/	15/	18/	20/	24/	28/	34/	34/	34/	34/	34/	
712 to 718	Curved or Double bent Gouges, Nos. 712 to 718	8/	8/	8/	8/	8/	9/	13/	15/	18/	20/	24/	28/	28/	28/	28/	28/	
719 & 720	Do. do. Fluting Gouges,	8/	8/	8/	8/	10/	13/	15/	18/	20/	24/	28/	34/	34/	34/	34/	34/	
733 to 738	Back Bent Gouges, Spoon Bit Gouges	8/	8/	8/	8/	8/	9/	13/	15/	18/	20/	24/	28/	28/	28/	28/	28/	
739	✓ Parting Tools, straight, 741 & 745 same prices	10/	10/	10/	10/	10/	13/	16/	20/	24/	28/	28/	28/	28/	28/	28/	28/	
740	✓ Do. do. bent 742 & 746 do.	11/	11/	11/	11/	11/	14/	17/	21/	26/	26/	26/	26/	26/	26/	26/	26/	
743	✓ Entering Parting Tools, Spoon Bit, 744 same price.....	11/	11/	11/	11/	11/	14/	17/	21/	26/	26/	26/	26/	26/	26/	26/	26/	
747	Veining Tools, assorted to $\frac{1}{4}$ inch, 8/ per doz.	748	Macaroni Tools, to $\frac{1}{4}$ inch, 11/ per doz.										Bright Carving Chisels and Gouges, 6d. per doz. extra.					

Sets of Black Carving Tools, assorted, of.....		2 doz.	3 doz.	6 doz.	12 doz.	18 doz.	
		19/	28/6	57/	114/	171/	per set.
Black Carving Chisels,	701 Straight and 702 Skewed,	Sets of 12 assorted to 1 inch...				6,9	per set.
Do. do. Gouges	do.	do.	do.	do.	..	7/9	..
Do. do. do.	do.	do.	do.	do.	..	9/	..
Do. do. do.	do.	do.	do.	do.	..	10,3	..

1096	Tooth Chisels for Stone, or "Ciseaux Gradinés," assorted to 1 inch.....	8/	per dozen.
1097	Do. Gouges do. assorted to 1 inch.....	10/	"
1098	Bolt Chisels do. do do.....	10/	"
1099	Cast Steel Tools for Carving Marble and Stone, Hollow Heads, assorted shapes, including Toothed Tools, not exceeding 10 inch long ..	15/	"
	Cast Steel Masons' Tools, by weight.		

1100	Chisels, all sizes, to $\frac{1}{2}$ inch	5/3	per dozen.	✓ Straight Parting Tools, to $\frac{1}{2}$ inch	7/6	per dozen.
1101	Gouges, A to E Sweep, sizes, to $\frac{1}{2}$ inch	6/	"	✓ Bent do. do. do.	8/6	"
1102	Do. F & G do. do. do.	7/3	"	✓ Spoon Bit or Entering Parting Tools, to $\frac{1}{2}$ inch	8/6	"
1103	Curved or Double bent Gouges	7/6	"	Do. do. Chisels	7/	"
1104	Back bent Gouges	7/6	"	Do. do. Gouges	7/6	"
1105	Sets of Print Cutters' Tools of	12	24	36	48	
		7/3	14/6	21/9	29/	per set.
1106	Best Mahogany Polished Cases, with sets of Handled Ladies' Tools	24	36	48	Tools.	
		40/6	57/9	93/	per case.	
43	Best Large Flooring Punches, assorted, 4/ per doz.	40 to 42	Best Cast Steel Brad Punches, 2/6 per doz.	40½ to 42½	Common ditto, 1/6 per doz	
94	Best Strong Cast Steel Striking Knives, 7/6 per doz.	747	Plasterers' Moulding Tools, assorted, 12/ per doz.; Cranked, 1/ extra.			
	Cast Steel London Scrivers, 7/6 per dozen.		Flat Shank Dog Leg Chisels, 3/6 per dozen.		Ditto, Round Shanks, 4/6 per dozen.	

Chisels, to $\frac{1}{2}$ in., 2/9 per doz. Gouges, A to E Sweep, to $\frac{1}{2}$ in., 3/9 per doz. Gouges, F & G. Sweep, to $\frac{1}{4}$ in., 5/ per doz. Print Cutters' Blades, 3/6 per doz.

Square and Lozenge Gravers, from 24/ per gross. Ditto, Round Back, 36/ per gross. Scorpers, 24/ per gross. Spit Stickers, 30/ per gross.
Knife Gravers, 30/ per gross.

		3	3½	4	4½	5	6	7	8	9	inches.
1107	Cast Steel Oval Burnishers, finely polished.....	8/	8/	9/	11/	11/	13/	16/	18/	21/	per dozen.
1108	Cast Steel Double Burnishers, 16/ per dozen.										

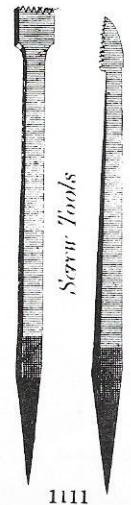
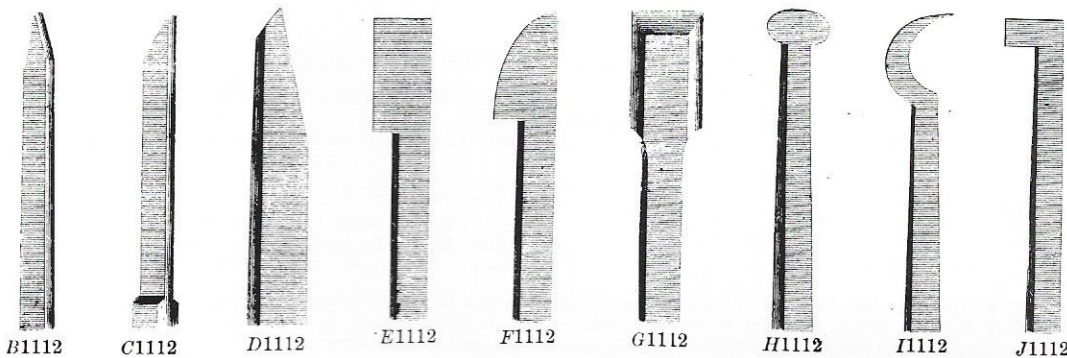
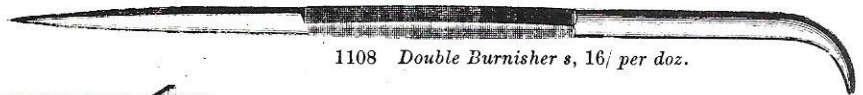
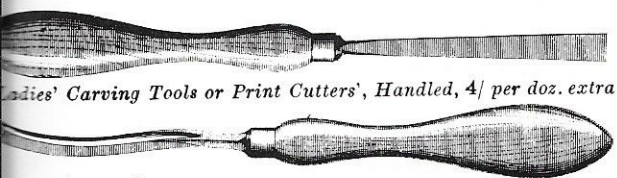
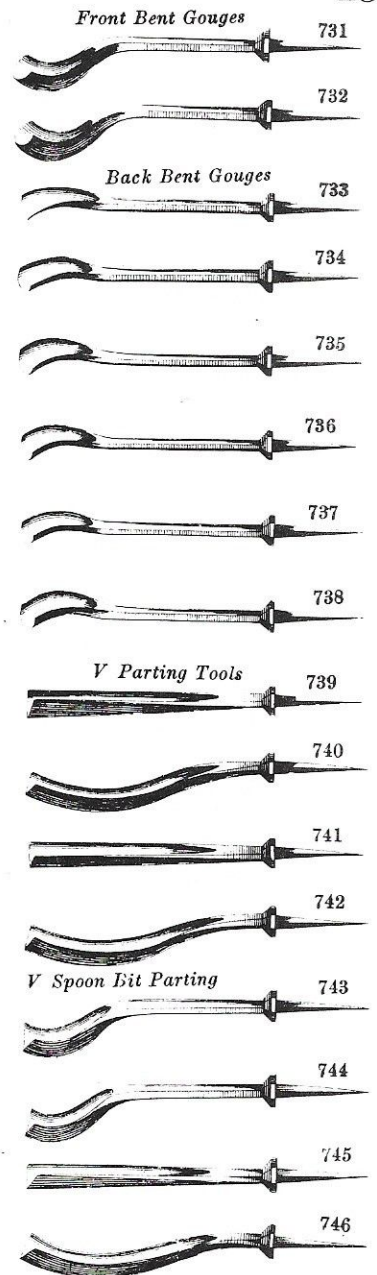
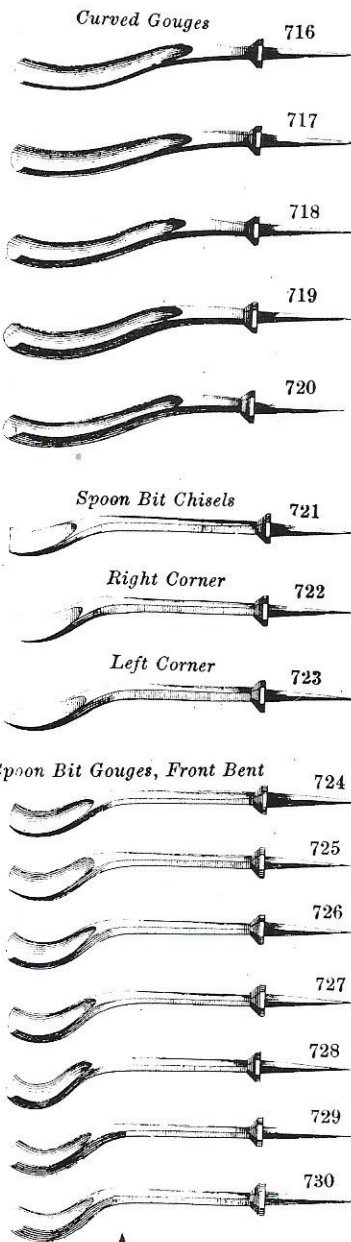
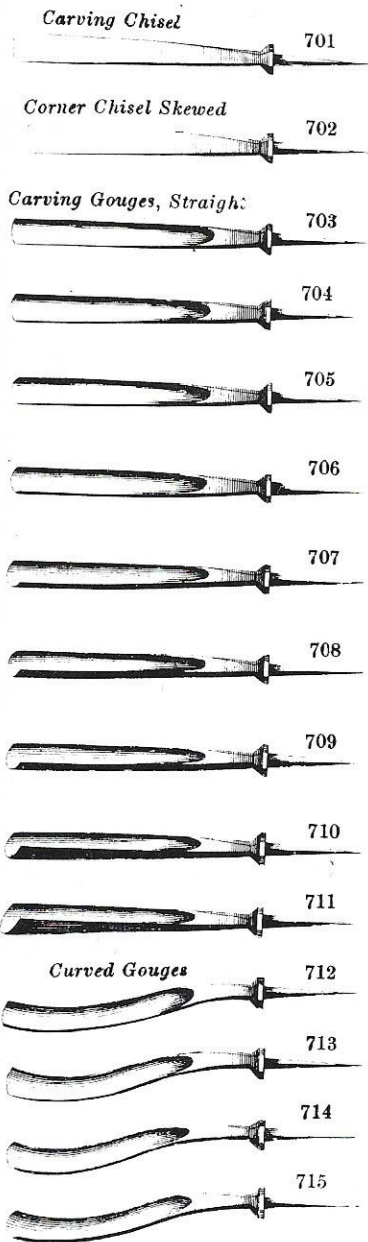
1109	Cast Steel Three-square plain Scraper	3	3½	4	4½	5	6	7	8	9	inches.
1110	Do. do. fluted do.	8/	8/	8/	8/	8/	10/	12/6	15/	18/6	per dozen.
		15/6	16/	16/6	17/	17/6	18/6	23/	28/	33/	"

Engineers' Screw Tools, Improved	2 1/2	20	18	16	14	12 1/2	11	10	9	8	7	6	5	4 1/2	4	3 1/2
Round Points, Warranted correct	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3	3 1/4	3 1/2	4	4 1/4	4 1/2	5
Standard Pitch and Form.....	2/	2/3	2/4	2/6	2/8	2/10	3/	3/	3/6	3/6	4/	4/	4/6	4/6	5/	5/

TURNING TOOLS for Metal, Brass, &c.—Square, Flat, and Fancy Shapes, Inside or Outside, assorted to $\frac{1}{4} \times 5\frac{1}{4}$ long, 9/6 per dozen.

CARVING, TURNING AND ENGRAVERS' TOOLS.

25



TWO-FOLD RULES, BOXWOOD.

No.	Width.	Length.	
2386	1½ inch	2 feet	2 Fold Rules, Round or Inside Joint 4/6 per doz.
2388	1½ "	"	" Square Joint 6/3 "
2387	"	"	" 8 Square Lines 7/6 "
2389	"	"	" Arch Joint, Bevelled Edge 8/6 "
1124	"	"	" Arch Joint, 8 Square Lines 9/3 "
2394	"	"	" Bevelled, 8 Square Lines 10/ "
2392	"	"	" " " " 10/ "
2393	"	"	" Bevelled " " 11/ "
2396	"	"	" " " " 13/ "
2398	"	"	" Double Bevelled Edges " " 15/ "
1476	"	"	" Extra Thin Rules " " 14/ "
1477	"	"	" " " " " 17/ "
2404	"	"	" Engraved Arch Joint, Bevelled " " 12/ "
2409	"	"	" " Grecian Joint 14/, 2410 Thin 17/ "
2406	"	"	" " Double Bevelled, 20/ "
2400	"	"	" Vulcan Joint, Bevelled, 8 Square Lines 15/ "
2402	"	"	" " Double Bevelled 18/ "
2401	"	"	" Atlas Joint, Bevelled, 8 Square Lines 16/ "
2397	"	"	" Waterloo Joint " " 12/6 "
2390	"	"	" " 8 Square Lines 18/ "
2407	"	"	" Arch Joint, Brass Bound Edges, " " 22/ "
2408	"	"	" Brass Bound, Bevelled " " 24/ "
2411	"	"	" Arch Joint, Spirit Level and Degrees 36/ "
1479	"	"	" German Silver Mounts.. 20/ "
1484	"	"	" Four Bevelled Edges .. 14/6 "
1485	"	"	" Eight Scales..... 18/ "
1486	"	"	" Double Bevelled Edge .. 15/6 "
1487	"	"	" 14 Scales, degrees on Joint 26/ "

SLIDE RULES.

2416	1½ inch, Boxwood, 2 Fold, and Brass Slides, Arch Joint 15/6 "
2417	" " " " " Bevelled .. 18/6 "
1126	" " " " " " G Line 20/ "
2418	" " " " " " " 24/ "
1127	" " " " " " " 28/ "
2420	" " " " " Vulcan Joint, Bevelled 24/ "
2421	" " " " " " and G Line 27/ "
2423	" " " " " " " 30/ "
1506	" " " " " Arch Joint, 6 Scales .. 34/ "
2425	" " " " " Brass Edges .. 36/ "
2426	" " " " " Bevelled.. 40/ "
1128	" " " " " Timber Measuring.. 30/ "

Slide Rule Books of Instructions, 2/6 per doz.

ENGINEERS' RULES, BOXWOOD.

1509	1½ inch Engineers', Routledge's, Boxwood, with Brass Slide 32/ "
2428	1½ " " " " " " " 38/ "
2429	" " " " " Brass Edges " " 54/ "
2431	" " " " " Garrett's " " 54/ "
2432	" " " " " Hawthorn's Locomotive " " 54/ "
1510	" " " " " Wilkinson's Spinners' Rule, Routledge, " " 45/ "
1511	" " " " " Brass Edges " " 60/ "
2433	1½ inch Cotton Spinners' Slide Rule, Slater's 57/ "

Books of Instructions—Routledge's, Garrett's, or Hawthorn's, 4/ per doz.

FOUR-FOLD RULES, BOXWOOD.

No.	Width.	Length 2 feet	3 feet.	
2326	¾ inch	4 Fold Rules, Round or Inside Joint 5/	7/	per doz.
2336	1 "	" " " " " " " 6/6	9/6	"
2339	"	" " " " " Square Joint 8/6	10/	"
2545	"	" " " " " Arch Joint 9/6	11/	"
2547	1½ "	" " " " " " " 12/	14/	"
2548	1½ "	" " " " " " " 13/6	16/	"
2549	1½ "	" " " " " " " 15/6	18/	"
2357	1½ "	" " " " " Engraved Joints 24/	27/	"
2344	1 "	" " " " " Arch Joints 12/	15/	"
2352	1½ "	" " " " " " " 16/	19/	"
2350	1½ "	" " " " " Best Arch Joints 18/	21/	"
2358	1½ "	" " " " " " " 22/	25/	"
2363	1½ "	" " " " " Double Arch Joints 20/	23/	"
2364	1½ "	" " " " " " " 22/	25/	"
1114	1½ "	" " " " " Brass Edges 28/	48/	"
1119	1½ "	" " " " " Architects', Inside 4 Bevels 27/	36/	"
1122	"	" " " " " " G.S. Mounts, Angle Joints 54/	66/	"
1107	"	" " " " " " " 8 Bevels " " 66/		"
2378	1½ "	" " " " " with Slide 24/		"
2379	"	" " " " " Best 33/	45/	"
2380	1½ "	" " " " " " " 33/	42/	"
2430	1½ "	" " " " " Routledge Engineers', with Brass Slide 54/		"
2383	1½ "	" " " " " Ironmongers' Rule, with Brass Slide | Calliper Gauge 48/		"

SMALL POCKET RULES. Nos. 2320 2321 2322 2324

BOXWOOD RULES, 1 foot, 4 folds.... 4/9 6/6 9/ 12/ per doz.

" 1 foot, with Calliper Gauge, 28/; 2382 2 feet, 40/ per doz.

2484 6 inch IVORY RULES, 10/ per doz. 2436 1 foot, 20/; 1520 48/ per doz.

2437 1 foot " 30/ " 2440 54/ per doz.

IVORY RULES, various patterns, to order, up to 30/ each.

2415 IRON RULES, 2 feet, 2 fold, 1½ inch wide, 6/ per doz.

2414 BRASS RULES " " 1½ " Grecian Joint .. 18/6 per doz.

1498 " " " " 1½ " Arch Joint .. 15/ "
2413	"	"	"	¾ " Round " .. 8/6 "
1494	"	"	"	¾ " with Stop .. 10/ "
1495	"	"	"	¾ " " " .. 12/6 "
58	STEEL RULES	"	"	¾ " Chesterman's, 15/.
57	"	"	"	1 foot, 4 folds, ¾ " 5/.
1643	"	"	"	2 " 2 " ¾ " 24/; 1645 1½ wide .. 36/ "
1133	Counter Sizesticks, ¾ wide, 15/6; Brass Counter Measures, 18/ to 40/ "			

ENGINEERS' STEEL RULES.

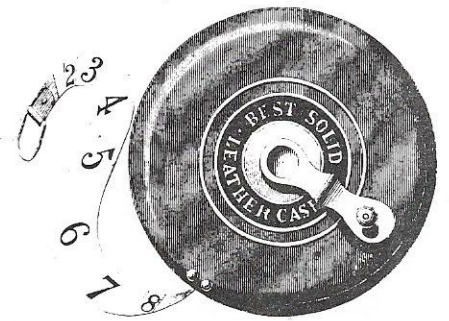
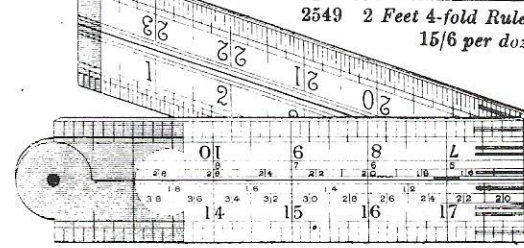
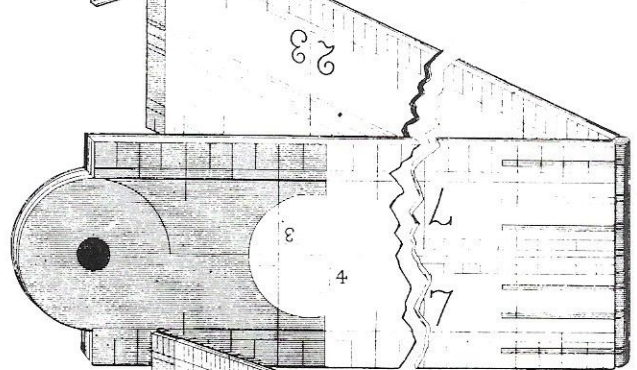
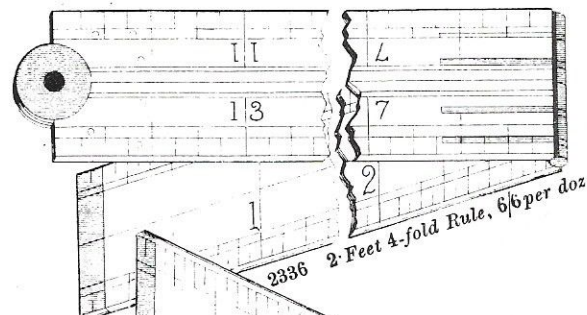
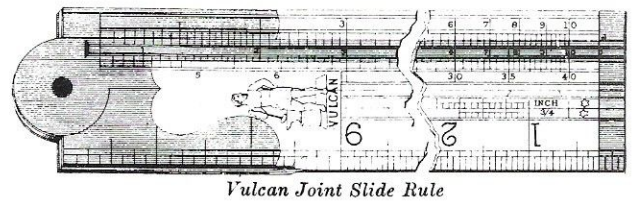
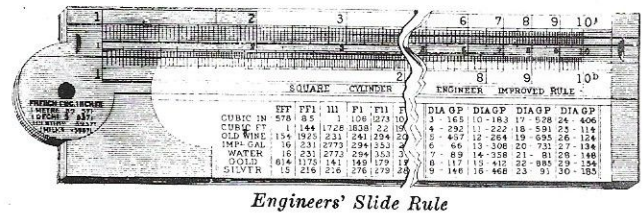
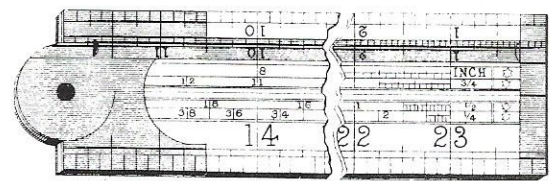
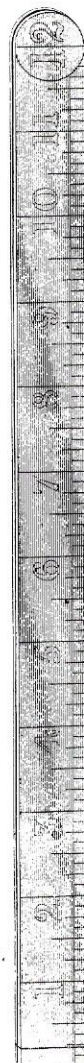
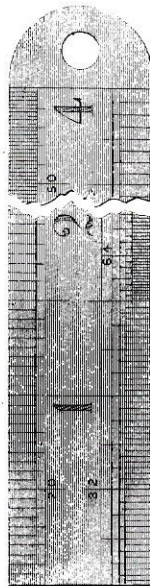
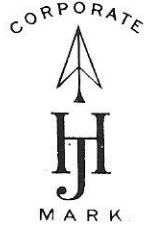
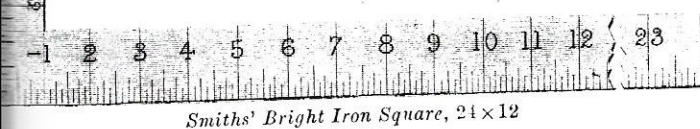
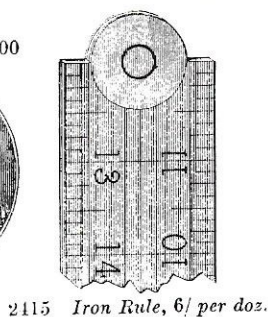
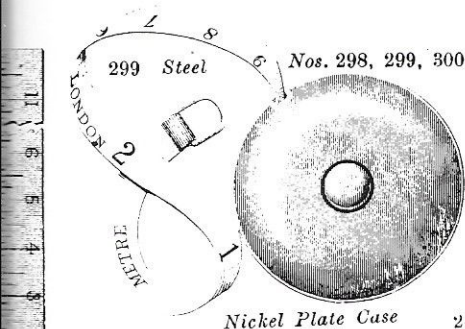
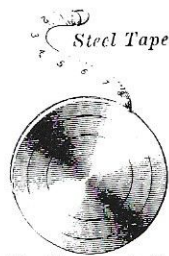
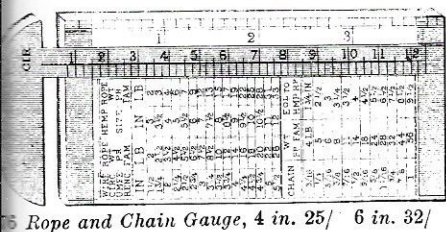
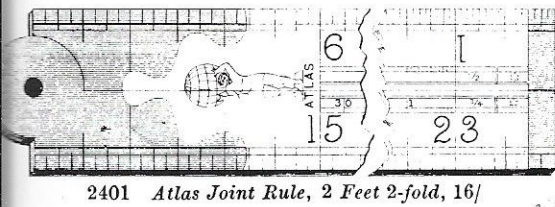
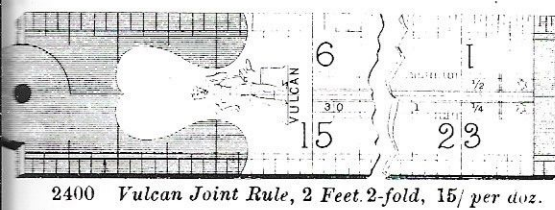
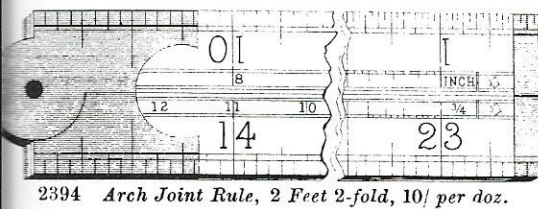
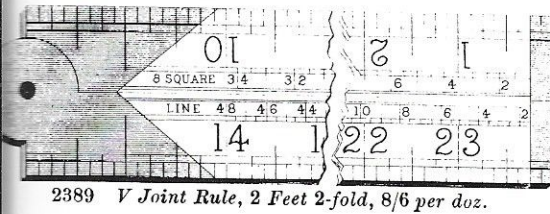
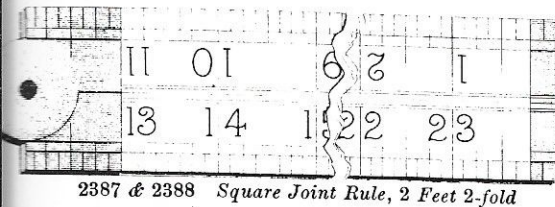
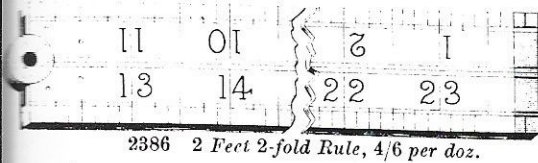
R10	Engineers' Steel Rules 4/	6/	12 inches
R11	" " 12 inch, 15/; R34 18/; R12 30/ per doz.	7/	12/ per doz.
	Manchester, Sheffield, or Birmingham makes in 4, 6 and 12 inch, to Makers' Lists, ruled one or both sides.		
1310	Shoemakers' Steel Rules, 18 inch, 30/; 24 inch, 40/ per doz.		
	Draughtsmen's Steel Straight Edges, ruled 12 to 72 in. or longer, from 2/ to 35/ each.		
	Engineers' Steel Squares, " " " "		
	Smiths' Iron Squares, 24 x 12 inches, " per doz.		
2376	Shipchangers' Boxwood, Rope, & Chain Gauge, 4 in. 25/; 2377 6 in. 32/ doz.		
	Shoe Sizesticks, at 9/ 11/6, 14/ 17/ per doz.		
		6	9 12 15 18 21 24 inch
2495	Ebony Parallel Rules 5/	11/6	14/6 19/ 23/ 29/ 37/ per doz.
	Revenue Officers' Gauging Rods or Dipping Sticks, 2/8 to 10/ each.		

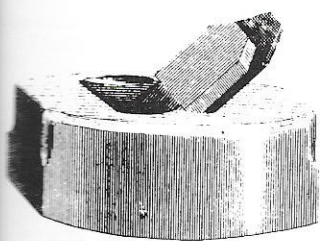
MEASURING TAPES IN CASES.

	3	6	feet		33	50	66	feet
300	Linen Tape, in Nickel Plated Cases, Rounded Edges .. 10/	15/	per doz.	801	White Ass Skin Cases, Brass Edges, Common Tapes.. 12/9	15/9	17/6	per doz.
298	" " " " with Stop 14/	19/	"	825	" " " " Best " " 19/6	25/6	28/	"
299	Steel Tapes " " " Square Edges. 21/	36/	"	827	Japanned Black Leather Cases, Brown Edges, Best Cotton Tapes.. 23/6	28/	31/9	"
809	Linen " Common Brass Cases 4/	4/6	"	850	Brown Solid " " Best Broad White Linen Tapes .. 47/	58/6	66/	"
323	Steel " German Silver Case, with Stop 36/	54/	"	410	Solid Leather Case Linen Tapes, 66 feet, 5/ each; 405 66 feet, 6/ each			
344	Chesterman's Patent Metallic Tapes, to Makers' Prices.			390	Rigida Tapes, 66 feet, 7/6 each.			
				391	" " 66 " with Flush Handle, 8/3 each.			

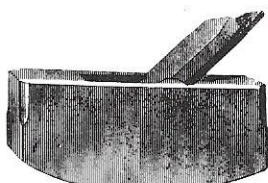
Boxwood, Ivory, or Steel Drawing Scales; Architects' and Draughtsmen's Scales, Pattern Makers' Contraction Rules, and Gunter's Navigation Scales, &c. to order.
 Tailors' Squares, ruled; Glaziers' and Bench Laths, ruled; Saddlers' Rules, Drapers' Round Yard Sticks, &c. to order.
 Loose Tapes also for Tailors, Dressmakers, Shoemakers, and Timber Merchants, Girthing Tapes, &c. to order.

Round or Inside Joint Rule

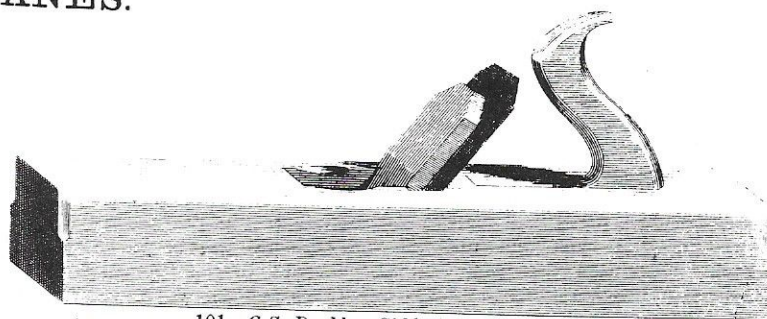




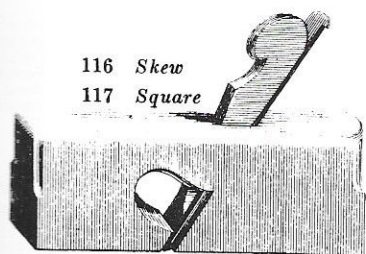
100 C.S. Double Smooth
C100 G.S. " "
145 G.S. Single Smooth



104 Compass Smoothing Plane

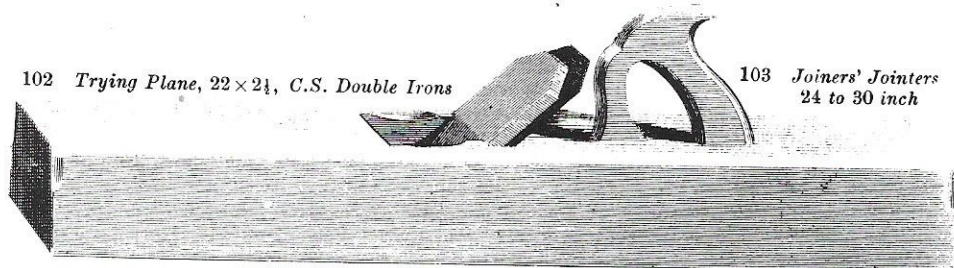


101 C.S. Double C101 G.S. Jack Plane



116 Skew
117 Square

Rebate Plane



102 Trying Plane, 22 x 2 1/4, C.S. Double Irons

103 Joiners' Jointers 24 to 30 inch

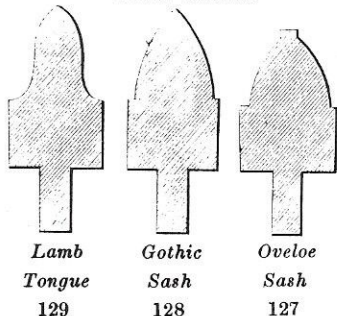
Sash Bar Sections



Oveloe Moulding



Ogee Moulding

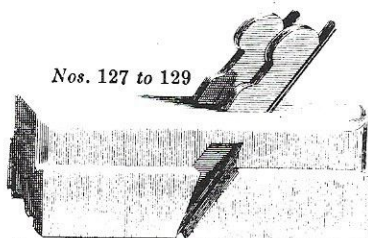


Lamb Tongue
129

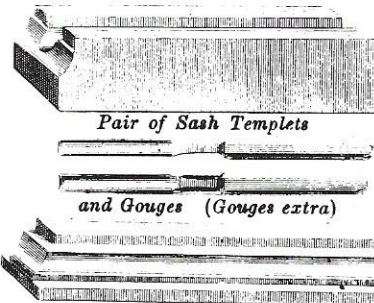
Gothic Sash
128

Oveloe Sash
127

Nos. 127 to 129



Sash Planes, with Templets and Gouges

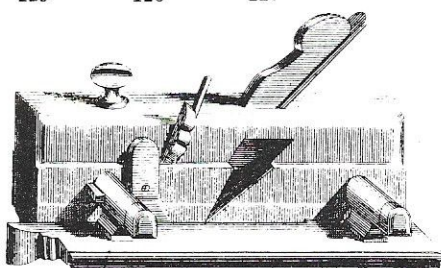


Pair of Sash Templets

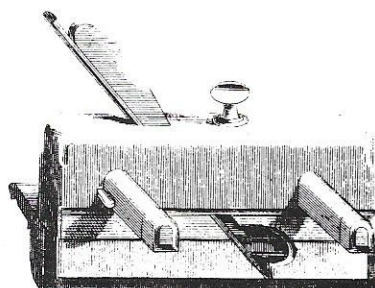
and Gouges (Gouges extra)



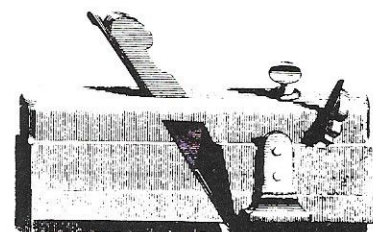
Japd. Iron Bull Nose
1 1/4, 2/8 each



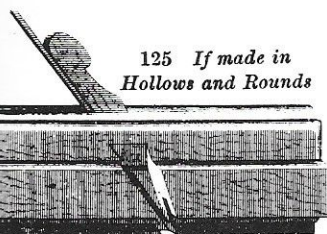
138 Sash Fillister, cap'd Stems and wedged



135 Plough Plane, cap'd and wedged
With Screwed Stems, extra

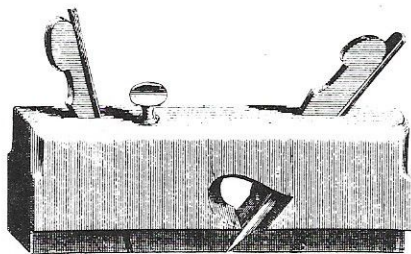
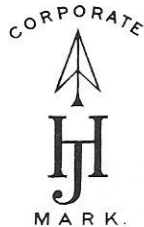


139 Moving Fillister 140 Improved

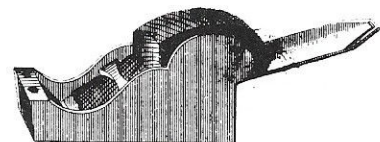


118 Beading 119 Grooving

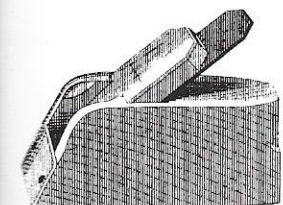
125 If made in
Hollows and Rounds



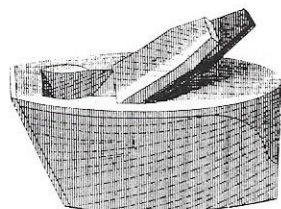
120 Dado Grooving
or Trenching



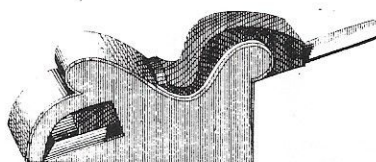
P348 Iron Chariot, 1 1/4, 6/6 each
P349 Gun Metal, 1 1/4, 7/6 "



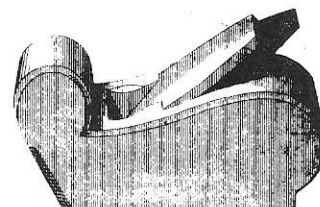
233 Beech Chamfer, 18/8 doz.
235 Brass Fronts, 27/10 "



234 Boxwood Chamfer, 27/10 doz.
236 Brass Fronts, 32/6 "



Size 1 1/8 1 1/4 inch
P344 Iron Bull Nose, 5/, 5/6, 6/ each
P345 Gun Metal, 6/6, 7/, 7/6 "



237 Boxwood Chariot

GENTLEMEN'S TOOL CHESTS.—(French Polished.)

CONTENTS.

A.—Polished Oak, 7/; Polished Pine, 6/6 each.Size— $9\frac{1}{2} \times 4\frac{1}{2} \times 2\frac{1}{2}$ inch, contains 9 Best Tools, viz. :—

Mallet	Brad Awl	Chisel	Turnscrew, &c.
Pincers	Gimlet	Gouge	

B.—Polished Oak, 8/6; Polished Pine, 8/ each.Size— $11\frac{1}{4} \times 5 \times 2\frac{1}{2}$ inch, contains 10 Best Tools, viz. :—

Mallet	Gimlet	Chisel	Turnscrew
Pincers	Brad Awl	Gouge	Rule, &c.

C.—Polished Oak, 10/; Polished Pine, 9/2 each.Size— $13\frac{1}{4} \times 5\frac{1}{2} \times 2\frac{1}{2}$ inch, contains 14 Best Tools, viz. :—

Pincers	File	Gimlet	Turnscrew
Chisel	Square	Marking Awl	Rule, &c.
Gouge	Brad Awl	Punch	

No. 000.—Polished Oak, 10/9; Polished Pine, 10/ each.Size— $14 \times 6 \times 2\frac{1}{2}$ inch, contains 9 Best Tools, Furniture, Screws, Nails, &c., viz. :—

Mallet	Brad Awl	Chisel	Turnscrew
Pincers	Gimlet	Gouge	Furniture, &c.

No. 00.—Polished Oak, 13/; Polished Pine, 12/4 each.Size— $15 \times 6\frac{1}{2} \times 2\frac{1}{2}$ inch, contains 13 Best Tools, viz. :—

Pincers	Chisel	Turnscrew	Rule
Two Gimlets	Gouge	File	Furniture, &c.
Two Brad Awls			

No. 0.—Polished Oak, 17/6; Polished Pine, 16/ each.Size— $15 \times 8 \times 3$ inch, contains 17 Best Tools, Furniture, Screws, Nails, &c., viz. :—

Pincers	Chisel	Marking Awl	Square
Two Gimlets	Gouge	Punch	Compasses
Two Brad Awls	File	Turnscrew	Furniture, &c.

No. 1.—Polished Oak, 22/6; Polished Pine, 20/ each.Size— $16 \times 8\frac{1}{2} \times 3\frac{1}{2}$ inch, contains 22 Best Tools, Furniture, Screws, Nails, &c., viz. :—

Rule	Chisel	Marking Awl	Square
Pincers	Gouge	Punch	Claw Wrench
Two Gimlets	Three Files	Turnscrew	Furniture, &c.
Two Brad Awls	Oil Stone	Spokeshave	

No. 2.—Polished Oak, 28/; Polished Pine, 25/6 each.Size— $17 \times 9 \times 4$ inch, contains 27 Best Tools, Furniture, Screws, Nails, &c., viz. :—

Pincers	One Gouge	Punch	Claw Wrench
Three Gimlets	Three Files	Turnscrew	Pliers
Three Brad Awls	Oil Stone	Spokeshave	Compasses
Two Chisels	Marking Awl	Square	Furniture, &c.

No. 3.—Polished Oak, 35/6; Polished Pine, 33/ each.Size— $18 \times 9\frac{1}{2} \times 4\frac{1}{2}$ inch, contains 32 Tools, Furniture, Screws, Nails, &c., viz. :—

Pincers	Three Files	Spokeshave	Compasses
Three Gimlets	Oil Stone	Square	Lock Saw
Three Brad Awls	Marking Awl	Claw Wrench	Plane
Three Chisels	Punch	Pliers	Furniture, &c.
Two Gouges	Two Turnscrews		

No. 3T.—With Tray, Polished Oak, 40/; Polished Pine, 37/6 each.**No. 4.—Polished Oak, 45/6; Polished Pine, 41/4 each.**Size— $19 \times 10\frac{1}{2} \times 6$ inch, with Drawer and 2 Locks, containing 38 Best Tools, Furniture, Screws, Nails, &c., viz. :—

Pincers	Three Files	Spokeshave	Lock Saw
Four Gimlets	Oil Stone	Square	Plane
Four Brad Awls	Marking Awl	Claw Wrench	Marking Gauge
Four Chisels	Punch	Pliers	Glue Pot & Brush
Two Gouges	Two Turnscrews	Compasses	Furniture, &c.

No. 5.—Polished Oak, 57/6; Polished Pine, 53/9 each.Size— $20 \times 11 \times 7\frac{1}{2}$ inch, with Drawer and 2 Locks, containing 47 Best Tools, Furniture, Screws, Nails, &c., viz. :—

Five Gimlets	Marking Awl	Pliers	Drawing Knife
Five Brad Awls	Punch	Compasses	Cutting Punch
Five Chisels	Two Turnscrews	Lock Saw	Scraper
Three Gouges	Spokeshave	Plane	Bevel
Four Files	Square	Marking Gauge	Furniture, &c.
Oil Stone	Claw Wrench	Glue Pot & Brush	

No. 6.—Polished Oak, 68/; Polished Pine, 63/ each.Size— $21 \times 11\frac{1}{2} \times 8$ inch, with Drawer and 2 Locks, containing 57 Best Tools, Furniture, Screws, Nails, &c., viz. :—

Two Saws	Six Gimlets	Marking Awl	Pliers	Glue Pot & Brush
Axe	Six Brad Awls	Two Punches	Compasses	Drawing Knife
Two Hammers	Six Chisels	Three Turnscrews	Lock Saw	Cutting Punch
Mallet	Four Gouges	Two Spokeshaves	Smooth Plane	Scraper
Rule	Four Files	Square	Jack Plane	Bevel
Pincers	Oil Stone	Claw Wrench	Marking Gauge	Furniture, &c.

No. 7.—Polished Oak, 80/; Polished Pine, 73/6 each.Size— $22 \times 12 \times 9$ inch, with Drawer and 2 Locks, containing 60 Best Tools, Furniture, Screws, Nails, &c., viz. :—

Three Saws	Six Brad Awls	Two Punches	Pliers	Glue Pot & Brush
Axe	Six Chisels	Three Turnscrews	Compasses	Drawing Knife
Two Hammers	Four Gouges	Hand Vice	Lock Saw	Cutting Punch
Mallet	Four Files	Two Spokeshaves	Smooth Plane	Scraper
Rule	Oil Stone	Square	Jack Plane	Bevel
Pincers	Marking Awl	Claw Wrench	Two Gauges	Furniture, &c.
Six Gimlets				

No. 8.—Polished Oak, 92/6; Polished Pine, 83/9 each.Size— $23 \times 12\frac{1}{2} \times 11$ inch, with 2 Drawers and 3 Locks, containing 65 Best Tools, Furniture, Screws, Nails, &c., viz. :—

Three Saws	Six Brad Awls	Three Turnscrews	Compasses	Drawing Knife
Axe	Six Chisels	Bed Key	Lock Saw	Cutting Punch
Two Hammers	Four Gouges	Hand Vice	Smooth Plane	Scraper
Mallet	Four Files	Two Spokeshaves	Jack Plane	Bevel
Rule	Oil Stone	Square	Three Gauges	Chalk Line Reel
Pincers	Marking Awl	Claw Wrench	Glue Pot & Brush	Furniture, &c.
Six Gimlets	Three Punches	Two Pairs Pliers		

No. 9.—Polished Oak, 114/6; Polished Pine, 104/ each.Size— $24 \times 13 \times 11\frac{1}{2}$ inch, with 2 Drawers and 3 Locks, containing 69 Best Tools, Furniture, Screws, Nails, &c., viz. :—

Three Saws	Six Brad Awls	Three Turnscrews	Compasses	Cutting Punch
Axe	Six Chisels	Bed Key	Lock Saw	Scraper
Two Hammers	Four Gouges	Hand Vice	Smooth Plane	Bevel
Mallet	Five Files	Two Spokeshaves	Jack Plane	Chalk Line Reel
Rule	Oil Stone	Square	Three Gauges	Two Mortice Chisels
Pincers	Marking Awl	Claw Wrench	Glue Pot & Brush	Coach Wrench
Six Gimlets	Three Punches	Two Pairs Pliers	Drawing Knife	Furniture, &c.

No. 10.—Polished Oak, 136/; Polished Pine, 126/ each.Size— $25 \times 13\frac{1}{2} \times 12\frac{1}{2}$ inch, with 2 Drawers and 3 Locks, containing 87 Best Tools, Furniture, Screws, Nails, &c., viz. :—

Three Saws	Eight Chisels	Hand Vice	Smooth Plane	Scraper
Axe	Four Gouges	Two Spokeshaves	Jack Plane	Coach Wrench
Three Hammers	Six Files	Square	Three Gauges	Chalk Line Reel
Mallet	Oil Stone	Claw Wrench	Glue Pot & Brush	Brace with 12 Bits
Rule	Marking Awl	Two Pairs Pliers	Drawing Knife	Cutting Nippers
Pincers	Three Punches	Compasses	Cutting Punch	Two Mortice Chisels
Six Gimlets	Three Turnscrews	Lock Saw	Bevel	Furniture, &c.
Six Brad Awls	Bed Key			

No. 11.—Polished Oak, 172/; Polished Pine, 160/ each.Size— $26 \times 14 \times 15\frac{1}{2}$ inch, with 2 Drawers and 3 Locks, containing 103 Best Tools, Furniture, Screws, Nails, &c., viz. :—

Three Saws	Nine Chisels	Hand Vice	Jack Plane	Chalk Line Reel
Axe	Four Gouges	Two Spokeshaves	Three Gauges	Brace, with 18 Bits
Three Hammers	Six Files	Square	Glue Pot & Brush	Cutting Nippers
Mallet	Oil Stone	Claw Wrench	Drawing Knife	2 Mortice Chisels
Rule	Marking Awl	Two Pairs Pliers	Cutting Punch	Saw Set
Pincers	Three Punches	Compasses	Scraper	Spring Dividers
Nine Gimlets	Three Turnscrews	Lock Saw	Bevel	Bench Vice
Nine Brad Awls	Bed Key	Smooth Plane	Coach Wrench	Furniture, &c.

No. 12.—Polished Oak, 216/; Polished Pine, 201/ each.Size— $27 \times 15 \times 18\frac{1}{2}$ inch, with 2 Drawers and 3 Locks, containing 138 Best Tools, Furniture, Screws, Nails, &c., viz. :—

Three Saws	Oil Stone	2 Pairs Compasses	Chalk Line Reel	Cast Steel Chipping
Axe	Marking Awl	Lock Saw	Brace and 24 Bits	Chisel
Four Hammers	Three Punches	Smooth Plane	Anvil & Beek Iron	Spring Oil Can
Two Mallets	Four Turnscrews	Jack Plane	Saw Set	(Press Bottom)
Rule	Bed Key	Three Gauges	Cutting Nippers	3 Mortice Chisels
Pincers	Hand Vice	Glue Pot & Brush	Nipper Pliers	3 Socket Chisels
Twelve Gimlets	Two Spokeshaves	Drawing Knife	Spring Dividers	Bench Vice
Twelve Brad Awls	2 Plated Squares	Cutting Patches	Hand Shears for	Turning Saw and
Twelve Chisels	Claw Wrench	Scraper	Cutting Metal, &c.	Frame
Six Gouges	Two Pairs Pliers	Bevel	Coach Wrench	Furniture, &c.
Nine Files				

NOTE.—Sizes of above Chests are exclusive of the Mouldings, are French Polished, and contain Good Tools.—J. H. & Sons.

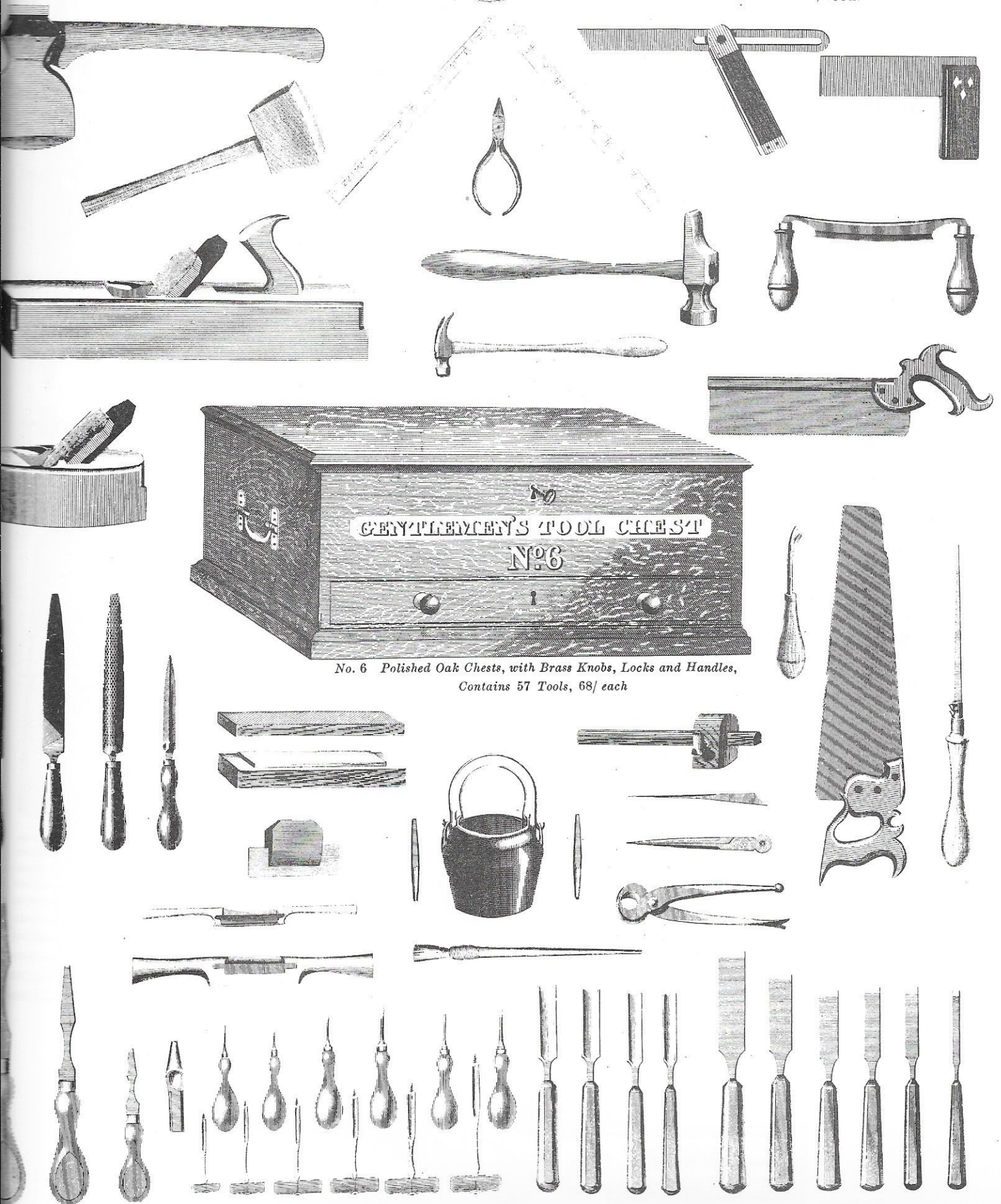
GENTLEMEN'S TOOL CHESTS, Complete.

28

JAMES HOWARTH & SONS,
MERCHANTS & MANUFACTURERS OF
TOOLS, FILES, SAWS & STEEL,
BROOMSPRING WORKS, SHEFFIELD.



PRIZE MEDALS AWARDED
LONDON, 1851. PARIS, 1855.
SOCIETY OF ARTS, LONDON, } 1856.
SPECIAL MEDAL OF HONOUR
LONDON, 1862.



No. 6 Polished Oak Chests, with Brass Knobs, Locks and Handles,
Contains 57 Tools, 68/ each

TOOL CHESTS.

JUVENILES' DEAL TOOL CHESTS. Varnished, without Locks. Common Tools.

JUVENILE DEER TOOL CHESTS, varnished, without locks. Common Tools.																								
Size.	Defiance.	A A	1 A	A	B	C	D																	
Price per dozen.	14/3	20/0	28/6	35/9	42/9	57/3	85/9	per dozen.		Cards of Juvenile Tools sold net.														
				A A	1 A	A	B	C	D	3/0	2/0	0	1	2	3	4	5	6	7	8	9	10	11	12

Polised Oak Tool Chests, without Tools..

" Pine " " " "

HORTICULTURAL OAK TOOL CHESTS. Tools to Screw into Handles, 3 feet 4 inches.

French Polished Brass Locks, Knobs, and Handles, at 28/0 48/0 60/0 68/0 each.

containing	9	17	17	18	tools.
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0781 Practical Gardeners' Chests, from £2 to £5.

079 Botanists' Companions, Book Shape, with Lock 12 x 9 inches, containing Fern Trowel, Pruning Knife, Pruning and Flower Scissors, Saw, Bill Spud with Pruning Hook to screw into Walking Stick, complete,

Polished Pine Household Chests, 2 sizes, at $24\frac{1}{3}$ and $34\frac{1}{3}$ each.

080 Farmers' Chests, containing 25 Best Tools, &c., 50/0 each, in Painted Deal with Lock.

083 Cottagers' Deal Tool Chests, Oak Painted or Varnished, with Locks, from 10/0 to 30/0 each, according to contents.

073 Ladies' Garden Chests, from 22/9 to 57/0 each, according to contents.

084 Ladies' House Chests, containing Ladies' Hammer, Carpet Wrench, Carpet Stretcher, Turnscrow, 2 Brad Awls, 2 Gimlets, Sardine Knife, Knife Sharpener, Spell Machine, 2 Pinking Irons, Bed Key, Small Hone and Oil Can, Button Hole Chisel, Hand Coal Nipper, Tacks, Nails and Screws, Hooks, Rings, &c..

085 Ladies' Carving and Fret Sawing Oak Tool Chests, French Polished, containing one each Wood and Iron, Buhl Saw, Piercing Saw, 3 dozen extra Saws, 1 dozen Carving Tools, Straw Coloured, Rosewood Handles, Small Cramp, Hand Vice, Table Vice, Pliers, 3 Slabs of Wood,

096 Cooks' Chests, Deal Varnished or Oak Painted, containing Meat Chopper, Meat Saw (12 inches), Beef Steak Beater (Improved Scale Tang), Steak Tongs, Hatchet, Mincing Knife, Cucumber Slice, Bread Rasp, Cooks' Knife (Ebony Handle). If Oak Chest, Polished, extra price.

JOINERS', SHIP CARPENTERS', or FOREMEN'S CHESTS.

Joiners', Ship Carpenters', or Foremen's Chests, Deal, Painted Slate Colour, with Locks, Drawers, and Interior Fittings, from £5 to £20, to Specifications.

RAILWAY CARRIAGE BUILDERS' CHESTS.

068 Railway Carriage Builders' Chests, from £12 to £18 each, to Specifications. Pattern or Model Makers' Chests, to order.

EMIGRANTS' TOOL CHESTS, Deal, Painted Slate Colour, with Locks, Drawers, and Interior Fittings.

Emigrants' Chests, $34\frac{1}{2} \times 19 \times 17\frac{1}{2}$ inches, contains	Best Tools, Furniture, Screws, Nails, &c....	£	s.	d.
" $35 \times 21 \times 18\frac{1}{2}$ "	" " "	7	14	0 each.
" $37\frac{1}{2} \times 24 \times 22$ "	" " "	....	11	11 0 "
" " "	" " "	....	15	7 6 "

SCREWING TACKLE, Foreign Manufacture, not warranted. (For Best English Goods, see Engineers' Tools.)

1117	Carded Stocks and Dies, Engineers' Whitworth's Thread, with Taper and Plug Taps.. ..	$\frac{1}{8}$ $\frac{3}{16}$ $\frac{1}{4}$	$\frac{3}{16}$ $\frac{1}{4}$ $\frac{5}{16}$	$\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$	$\frac{5}{16}$ $\frac{3}{8}$ $\frac{7}{16}$	$\frac{3}{8}$ $\frac{7}{16}$ $\frac{1}{2}$	$\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$	$\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ inch
		6/4	7/8	8/8	10/3	12/	15/6	24/ per set

Larger sizes can be procured if required, but not kept in stock.

1113	Carded Blacksmiths' Stock, Dies and Taps	..	$\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{16}$ $\frac{7}{16}$ $\frac{1}{2}$	$\frac{1}{4}$ $\frac{3}{8}$ $\frac{2}{8}$ $\frac{5}{8}$ $\frac{3}{4}$ inch
			10/3	15/3 per set

1113	Acme Burner Taps, with Die Rinder and Screw Driver combined.	each
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1115	Carded Gasfitters' Stock, Dies and Taps for Iron Tubes	..	$\frac{1}{4} \frac{3}{8} \frac{1}{2}$ inch 17/3 per card	} Card containing Double Set, D1116 $\frac{1}{2}$, 30/6 per card.
1114	" " " " " for Brass Tubes	..	$\frac{1}{4} \frac{3}{8} \frac{1}{2} \frac{5}{8}$ inch 13/3 per card	

1114	33	33	33	33	33	33	$\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$	$\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$	inch
							10/	10/	per card

1116	Carded Gasfitters' Outfit,	per card.
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1120 „ Two-hand Screw Plates, 9/3, 6 sizes to $\frac{1}{4}$ inch

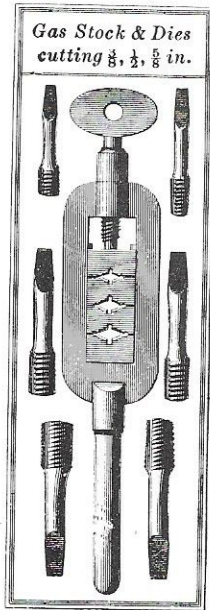
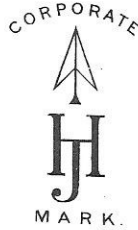
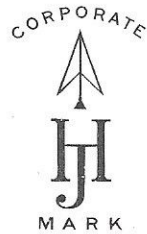
1120 One-hand Screw Plates, 4/, 10 sizes complete, with Taps

011201 Card, containing Double Set, as above, $\frac{1}{16}$ to $\frac{1}{8}$ inch, 13/3 per card

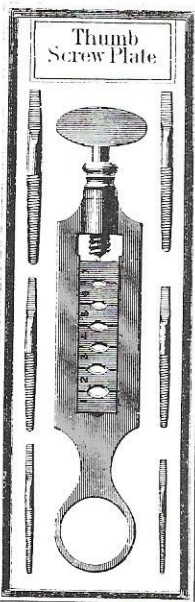
1121	Carded One-hand Screw Plates, with Taps	..	8 3/3	10 4/	12 4/8	sizes per card
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		4	5	6	sizes
1123	Carded Thumbscrew Plates, Ring Eyed Handles ..	3/9	4/2	4/8	per card

1124	"	"	"	with Curved	"	5 sizes, 7/3 per card
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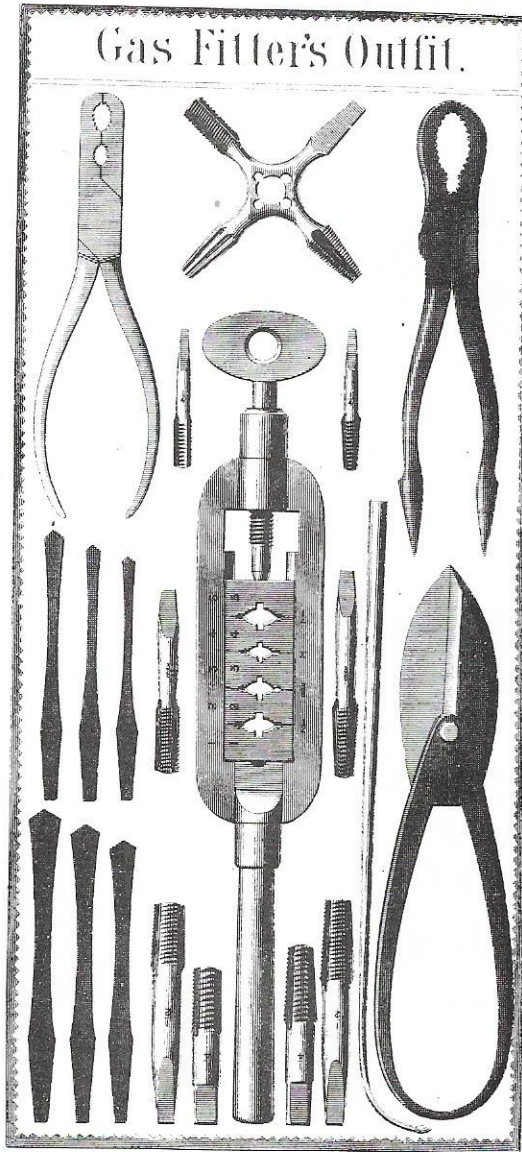


No. 1114
for 3/8, 1/2, 3/4 in. 10/ per card
for Brass Tube

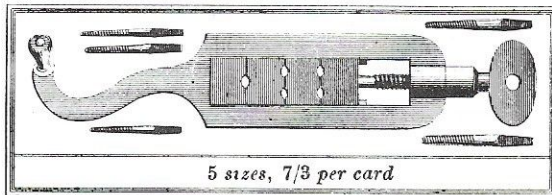


No. 1123
6 sizes, 4/8 per card

Thumb Screw Plate, Ring Eyed Handle

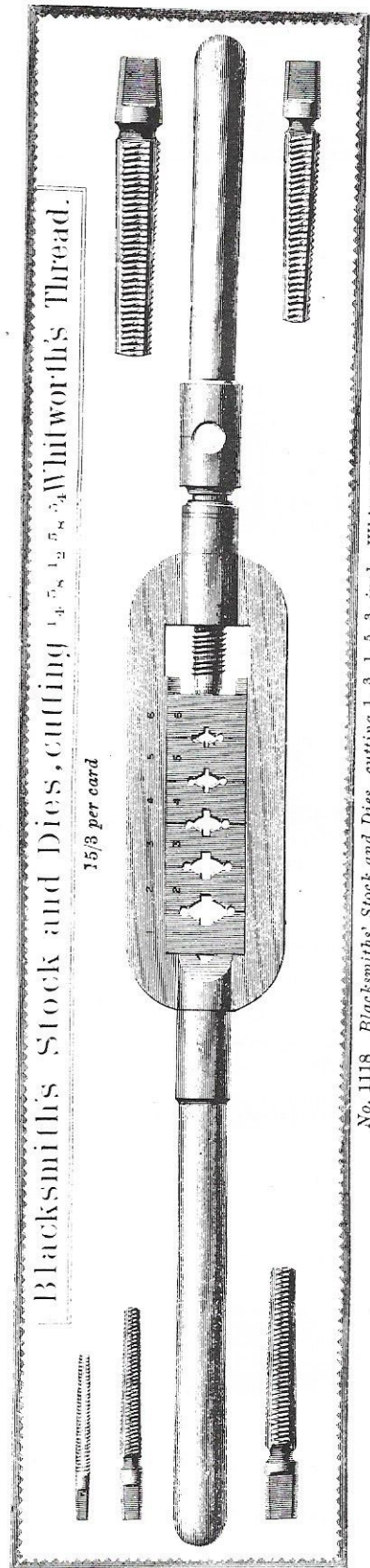


No. 1116



No. 1124 Thumb Screw Plate, Curved Handle,

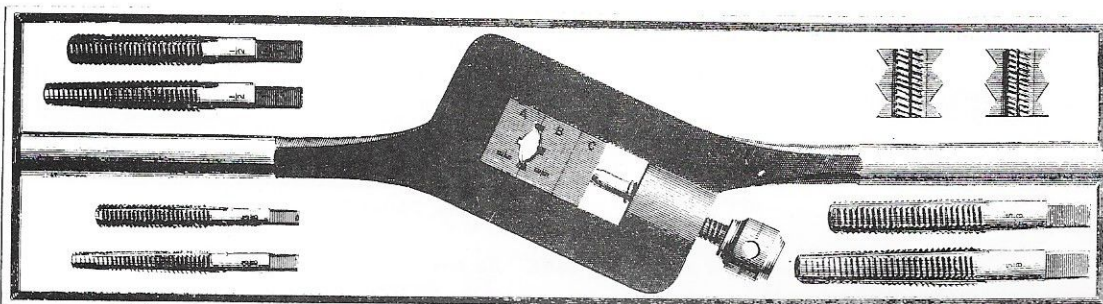
5 sizes, 7/3 per card



Blacksmith's Stock and Dies, cutting 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 7/8, 1 inch, Whitworth Thread.

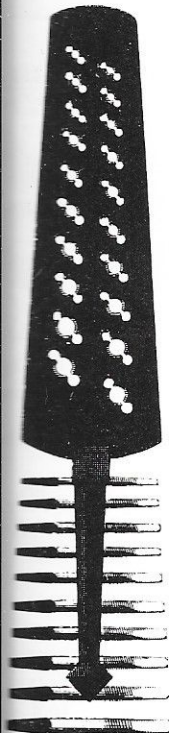
15/3 per card

No. 1118 Blacksmith's Stock and Dies, cutting 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 7/8, 1 inch, Whitworth Thread.

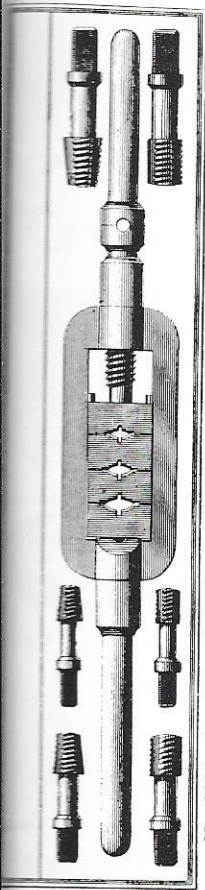


No. 1117 Engineers' Stock and Dies, cutting 3/8, 1/2, 3/4 inch, 15/6 per card Whitworth Thread

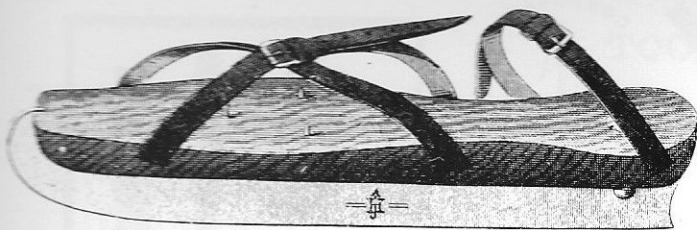
NOTE.—The above are of Foreign Manufacture and not warranted. For best English Goods, see Engineers' Tools.



No. 1121 Bright Notched Screw Plate, 10 sizes, 4/ per card



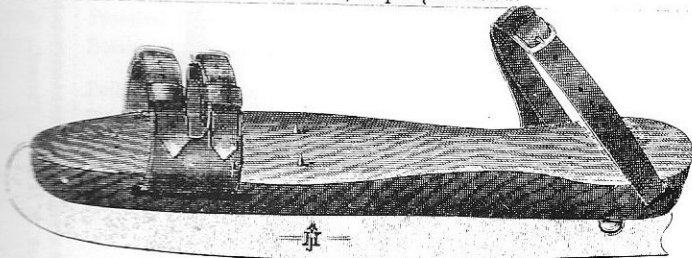
No. 1115 Gas Fitters' Stock and Dies for Iron Tubes, 1/4, 3/8, 1/2 inch, 17/3 per card



No. 1. Three-holed Polished Clogs, Steel Blades.

	To 9	9½	10	10½	11	11½	12 in. Clogs
Strapped	2/9	3/	3/3	3/6	3/9	4/	4/3 per pair
	4/3	4/6	4/9	5/	5/3	5/6	5/9 "

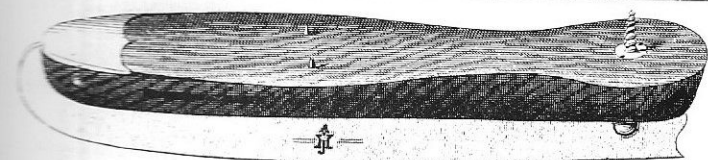
If Curled Toe, No. 2, 3d per pair extra.



No. 1B Broad-holed Polished Clogs, Steel Blades.

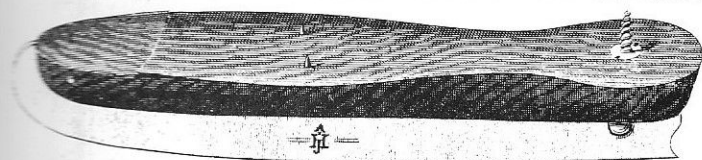
	To 9	9½	10	10½	11	11½	12 in. Clogs
Strapped, with 2 Buckled Straps	2/9	3/	3/3	3/6	3/9	4/	4/3 per pair
	4/9	5/	5/3	5/6	5/9	6/	6/3 "

If with Beech Clogs, No. 3, 4d. per pair extra.



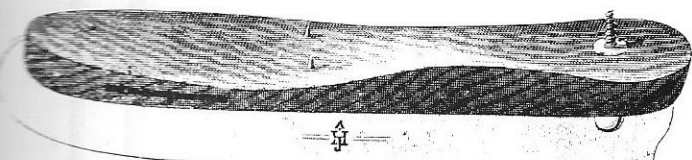
	8 to 10	10½ to 11½ in.
No. 4 Plated Toes, Steel Blades	4/9	5/6 per pair
Strapped, with 2-Buckled Straps	6/9	7/6 "

L4C With Leather-cupped Heels, 2/ per pair extra.



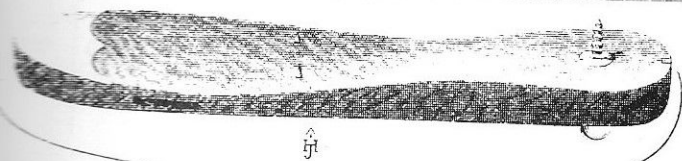
Hard Welded Blades, Square or Round Heels.

Walnut, all sizes to 11½ in.	4/9	Strapped, with 2-Buckled Straps	7/ per pair
Beech	5/6	Strapped, &c.	7/9 "



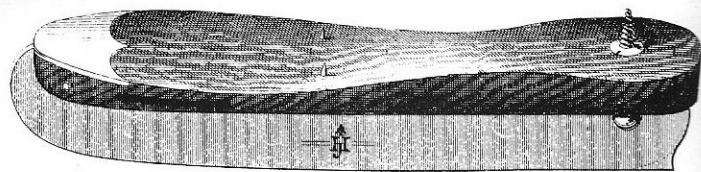
Beech, Hollowed Soles, Hard Welded Blades (Walnut, No. 15, same price).

	8 to 10	10½ to 11½ in.
No. 12 Square or Round Heels	6/	6/6 per pair
Strapped, complete	8/3	8/9 "
No. 14 Do. and Rocker Heels	9/3	9/9 "



Beechwood, Plated Toes, and Hollowed, Rocker Heels.

	8 to 10	10½ to 11½ in.
16RK Rockers	8/6	9/ per pair
Strapped	10/9	11/3 "
16 Square or Round Heels, Unstrapped	7/6	8/ "
Do. do. Strapped	9/9	10/3 "



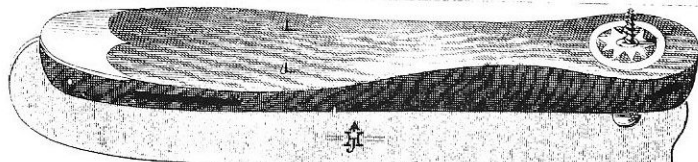
	8 to 10	10½ to 11½ in.
No. 17 Walnut, Plated Toes, Square or Round Heels	7/6	8/ per pair
Do. do. do. Strapped	9/9	10/3 "



Walnut, Plated Toes and Heels.

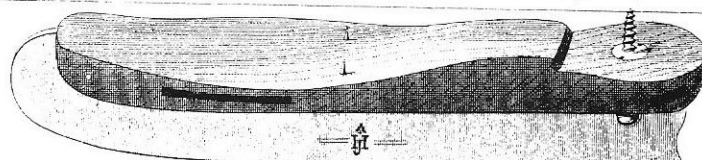
	8 to 10	10½ to 11½ in.
No. 19 Square or Round Heels	9/	9/6 per pair
Do. do. Strapped	11/3	11/9 "

No. 19RK Rockers, 1/ per pair extra.



No. 20 Walnut, Star and Garter Heels, and Plated Toes.

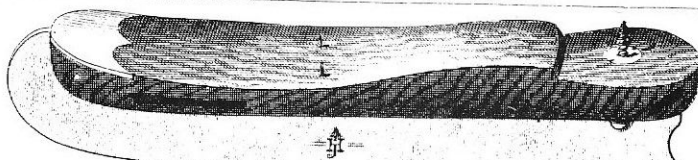
	8 to 10	10½ to 11½ in.
Strapped	9/6	10/ per pair
	11/9	12/3 "



Beechwood, Sunk Heels, Square or Round Heels.

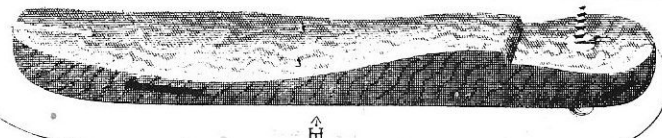
	8 to 10	10½ to 11½ in.
No. 25	7/	7/6 per pair
Strapped	9/3	9/9 "

If Rockers, No. 27, 1/ per pair extra.



	8 to 10	10½ to 11½ in.
No. 31 Walnut, Plated Toes, Square or Round Heels	9/6	10/ per pair
Do. do. do. Strapped	11/9	12/3 "

No. 33 Plated Heels, 1/6 extra. No. 34 Star and Garter Heels, 2/ extra.



London and Oxford Club, Sneaked Irons and Rockers.

	8 to 10	10½ to 11½ in.
40RK Rockers, Beech	10/	10/6 per pair
Do. Strapped	12/3	12/9 "

Square or Round Heels, 1/ per pair less.



Walnut, Plated Toes and Heels, London and Oxford Club Rockers.

	8 to 10	10½ to 11½ in.
46RK Rockers	13/	13/6 per pair
Do. Strapped	15/3	15/9 "

45RK Do. Plated Toes only, 1/6 per pair less.

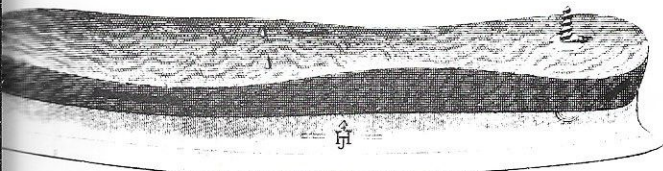
SKATES.—Continued.

JAMES HOWARTH & SONS,

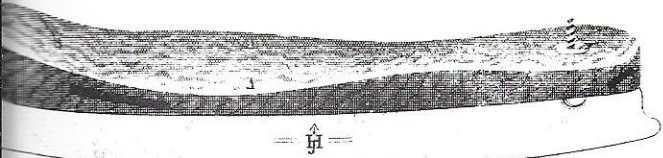


MAKERS, SHEFFIELD.

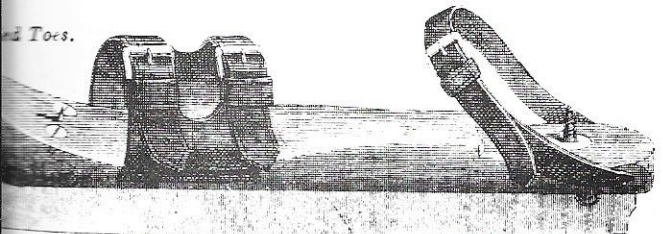
50



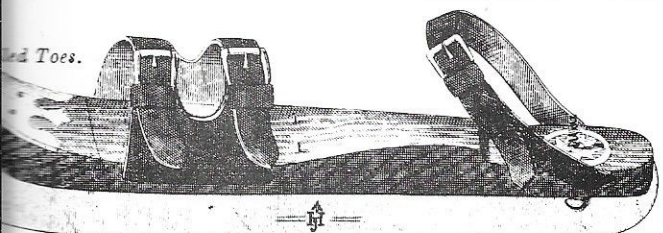
- Pin-toed, Concave Irons, to 11½-in., Strapped 12/6 per pair
 Plain " 11½-in., " 9/6 "
 If Sneaked Toes, 3/ per pair extra.



- Raised, Solid and Pin Toes, Plain Irons, to 11½-in., Strapped.. 12/6 per pair
 " " Concave " " " 15/6
 " " Sneaked Toes, Plain " " " 15/6
 " " Concave " " " 18/6



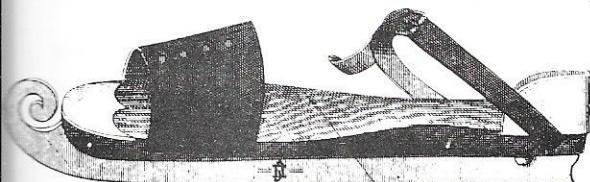
- Plain Albert or Scotch Pattern, Strapped, complete, all sizes..... 18/
 Full Rocker Heels " " " " " 19/



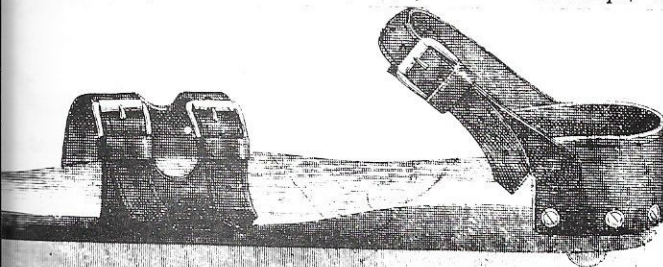
Best Albert Skates, Square or Round Heels.

Strapped Rockers.

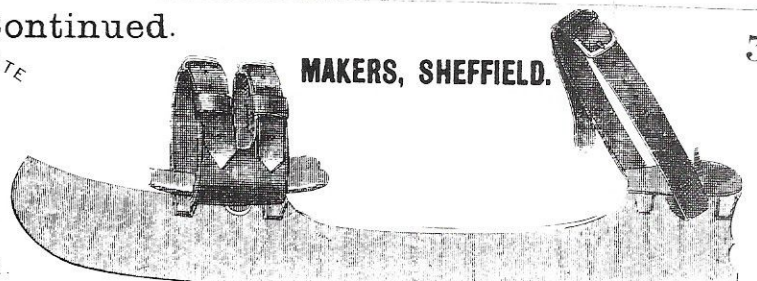
- | | | |
|---|------|-------------------------|
| Toes Star & Garter Heels, all sizes.... | 21/ | 22/ per pair, all sizes |
| Toes only " | 20/ | 21/ " " |
| Heels only " | 19/6 | 20/6 " " |
| Toes, Soles and Heels " | 22/6 | 23/6 " " |
| Toes, Soles, Heels and Insteps " | 24/ | 25/ " " |



- Ladies' Skates, with Britannia Metal Backs and Plated Toes, Strapped complete, all sizes, Laced, 14/; if with Buckled Straps, 14/6



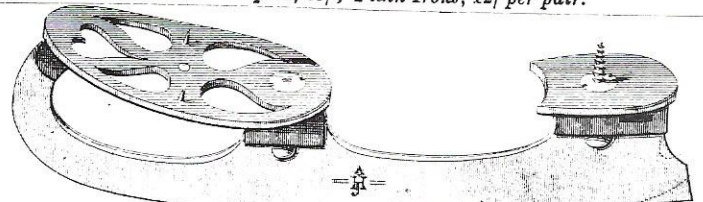
- Ladies' Beech Clogs, Common Steel Blades. Leather Cup Heels... 7/6 per pair
 Hard Welded Blades..... 10/6 "
 Hollowed Soles 11/6 "
 Plated Toes..... 13/ "



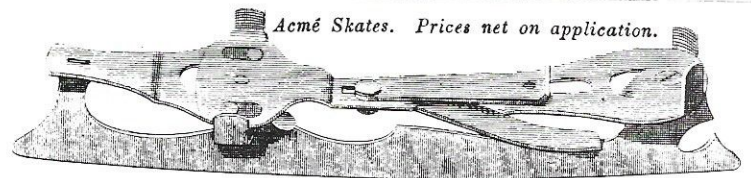
- 98 Skeleton Skates, Rivetted Metal Plates, to 11½-in., Strapped, complete... per pair
 99 Best do., Hard Welded Irons, Strapped 7/9
 10/6



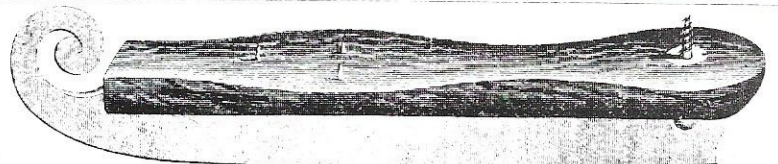
- 100 Skeleton Skate, to attach with Wood Screws, Best Hard Welded Concave Irons, all sizes to 11½-in., 15/; Plain Irons, 12/ per pair.



- Strapped, complete, Round or Square Heels. 9 to 10 10½ to 11½-in.
 76 Best Brass Skeleton Skates, Strapped, complete 14/ 15/ per pair
 77R Skeleton, Metal Plates, Rivetted " " 11/6 12/6 "



Acme Skates. Prices net on application.



- Any Pattern, Curled Toes, Soft Steel Blades, 3d.; Hard Welded Blades, 6d. per pair extra.

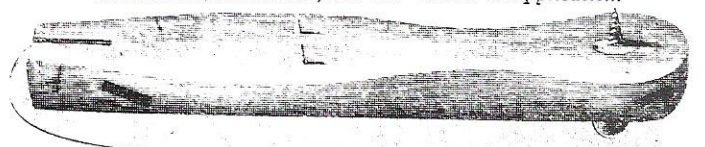


English Two-holed Skates, Common Steel Blades.

- | | 8 | 8½ | 9 | 9½ | 10 | 10½ | 11 ins. on Clogs |
|-----------------|-----|-----|-----|-----|-----|-----|------------------|
| 00 Plain | 2/ | 2/ | 2/ | 2/2 | 2/3 | 2/4 | 2/6 per pair |
| 0 Polished..... | 2/6 | 2/6 | 2/6 | 2/6 | 2/6 | 2/9 | 2/9 " |

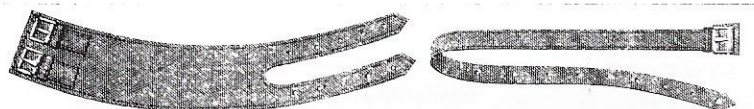
Narrow Common Sets of Straps—Boys', 10/6; Men's, 14/ per dozen Sets.

Common German Skates, sold net. Prices on application.



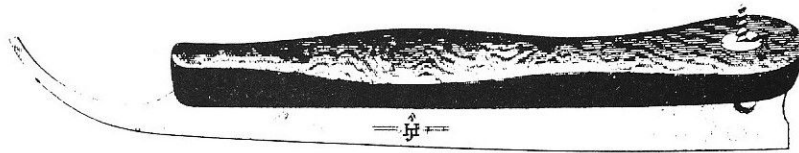
- Plain German Two-holed Skates, all sizes per pair
 Polished " Three-holed " " "
 " " Three-holed " " "
 " " Broad holed " " "

Narrow Common Sets of Straps—Boys', ; Men's, per dozen Sets.



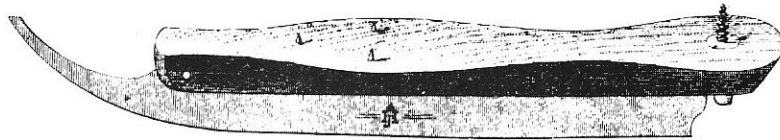
Sets of Four Best Black Broad Skate Straps, Assorted, 10 x 1½, 11 x 2, 12 x 2, 13 x 2, 2/3 per Set.

WHITTLESEA RUNNERS (or CAMBRIDGE CLUB SKATES).



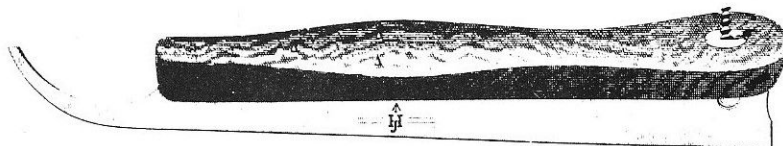
Long Heels and Three Holes.

		Assorted 8 to 9½	10 to 11½		8 to 9½	10 to 11½-in.
No. 89	Three-holed Runners, Steel Blades	3/3	3/8	Narrow Strapped....	4/9	5/2 per pair
" 90	" Walnut, Cast Steel Blades	4/3	4/8	" "	5/9	6/2 "
" 92	" Beech or Walnut, Hard Welded Blades.	6/	6/6	" "	7/6	8/ "



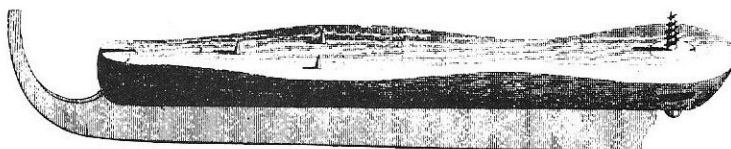
Short Button Heels and Three Holes.

		Assorted 8 to 9½	10 to 11½		8 to 9½	10 to 11½-in.
No. 93	Three-holed Beech or Walnut, Hard Welded Blades	6/6	7/	Narrow Strapped....	8/	8/6 per pair
" 94	" " " Sneaked Toes		8/6	" "		10/ "
" 95	" Walnut, Plated Toes, Sneaked Toes		10/	" "		11/6 "
" 96	" " Plated Toes and Heels, Sneaked Toes		11/6	" "		13/ "



Long Heels and Broad Holes.

		Assorted 8 to 9½	10 to 11½		8 to 9½	10 to 11½-in.
No. 89½	Broad-holed Runners, Steel Blades	3/3	3/8	Broad Strapped	5/6	5/11 per pair
" 90½	" " Walnut. Cast Steel Blades	4/3	4/8	" "	6/6	6/11 "
" 92½	" " Beech or Walnut, Hard Welded Blades	6/	6/6	" "	8/3	8/9 "



Short Button Heels and Broad Holes.

		Assorted 8 to 9½	10 to 11½		8 to 9½	10 to 11½-in.
No. 93½	Broad-holed Beech or Walnut, Hard Welded Blades	6/6	7/	Broad Strapped	8/9	9/3 per pair
" 94½	" " " " Sneaked Toes		8/6	" "		10/9 "
" 95½	" Walnut, Plated Toes, Sneaked Toes.....		10/	" "		12/3 "
" 96½	" " do. and Heels, Sneaked Toes		11/6	" "		13/9 "
" 97½	" " do, and Star Heels, Sneaked Toes.....		12/	" "		14/3 "

SKATE STRAPS.

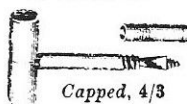


Sets of Four Best Black Broad Skate Straps,
Assorted, 10 x 1½, 11 x 2, 12 x 2, 13 x 2, 2/3 per Set.

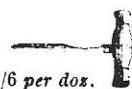
of Boys' Narrow Straps, with Loops, Common, 10/6; Best, 15/ per doz. Sets.
Men's " " with Instep Straps " 14/; " 18/ "



Best Skate Screws,
18/ per gross.



Capped, 4/3



2/6 per doz.



Acme Nuts and Screws, 5/3 per doz.
Acme Keys, 2/ per doz.

SKATE GIMLETS.

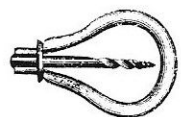


Bright Skate Gimlets,
8/6 per doz.

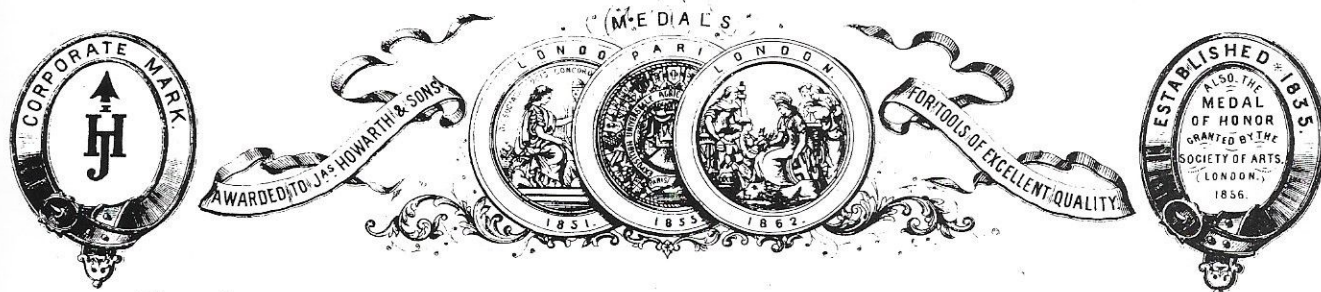
Best .. 13/ per doz. pair
Common 8/6 " "



Assorted sizes
Ice Creepers.



to fold, 6/ per doz.



The above Trade Mark granted and protected by the Cutlers' Company.

ESTABLISHED 1835.

JAMES HOWARTH & SONS,

BROOM SPRING TOOL, STEEL & FILE WORKS,

BATH-STREET BROOMHALL, & EYRE-STREET,

SHEFFIELD,

CAST STEEL REFINERS,

AND MANUFACTURERS OF

SHEAR AND BAR STEEL,

FILES, SAWS, TOOLS, SKATES, &c.







FIRST-CLASS PRIZE MEDALS AWARDED—

LONDON	1851.	{ SPECIAL MEDAL OF HONOUR SOCIETY OF ARTS	1856
PARIS	1855.		
		LONDON.....	1862.

ENTERED AT STATIONERS' HALL.

STEEL.

NOTE.—In ordering Steel, it is highly necessary we should know the exact use it is intended for, in order to secure the proper temper and best possible results to the purchaser.—J. H. & SONS.

TEMPER.	DESCRIPTION OF STEEL IN BARS OR RODS $\frac{1}{2}$ -INCH SQUARE, $\frac{3}{8}$ -INCH ROUND OR OCTAGON, AND FLATS 1-INCH \times $\frac{1}{2}$ -INCH AND ABOVE. SMALLER SIZES AND SPECIAL SECTIONS TO SPECIAL QUOTATION.	QUALITIES.			
		***** SPECIAL. BEST WARRANTED	BEST WARRANTED X X X	WARRANTED X X	GOOD X
		Net Prices per Cwt. delivered in Sheffield.			
A SPECIAL TEMPER.	SPECIAL TEMPER, Cast Steel, for Planing and Turning Chilled Iron, or Steel Castings and other hard metals; must be worked at a very low heat, requires also in Hardening a low heat and <u>well soaking in the fire</u> and Tempering suitably				
B RAZOR TEMPER.	CAST STEEL, for Razors, Drills, and small Turning and Planing Tools, requires very careful manipulation, and will be spoiled if overheated either in Forging or Hardening				
C TURNING TOOL TEMPER.	CAST STEEL, the most useful temper for medium-sized Turning, Planing, and Slotting Tools, Drills, Small Cutters, Taps, &c. N.B.—None of the above are intended to weld, being hard tempered.				
D PUNCH AND DRILL TEMPER.	CAST STEEL, most useful temper for Punches, Drills, Taps, Rimers, Circular Cutters, Small Shear Blades, Mill Picks, and large Turning Tools; can be welded by the use of Borax as a Flux...				
E CHISEL TEMPER.	CAST STEEL, suitable for Cold Chisels, Medium-size Shear Blades, Hot Sets, Large Taps, and Punches; will weld with care				
F SET TEMPER.	CAST STEEL, suitable for Cold Sets, Large Shear Blades, Smiths' Tools, Fullers, Swages, Flatteners, Set Hammers, Minting Dies, &c.; will weld easily with Sand as a Flux				
G DIE TEMPER.	CAST STEEL, SPECIAL WELDING, suitable for Stamping and Pressing Dies, Boiler Cups or Snaps, Hammers, &c.				
H MILD CENTRE STEEL.	SPECIAL MILD CENTRE STEEL, suitable for Rimers and Screwing Taps, &c., requiring hardness combined with great toughness; being mild, or soft-centred, it will require drawing down under the hammer for Taper Taps and Rimers, and must be hardened at a low heat				
	BLISTER STEEL, Genuine  LEUFSTA Do. „  GIMO In Blistered Do. „  STEINBUCK Bars as Do. „  LANCASH Converted.				
No. 22	ROLLED DO. DO. for Picks, &c.				
23	TILTED BLISTER STEEL for Smiths' purposes, Hammer Faces, &c.				
24	WASH WELDED AND TILTED BLISTER STEEL; sound, tough class of Steel for GENERAL PURPOSES; strongly recommended				
25	SINGLE SHEAR STEEL  Tilted to size				
26	DOUBLE SHEAR STEEL  Tilted to size				

NOTE.—Numerous other Swedish brands of Blister Steel can be supplied if required. Steel in the Ingot can be specially quoted on application. When Customers desire carriage to be prepaid, it will be charged at the foot of each Invoice. The above prices being for delivery in Sheffield.—J. H. & Sons.

1 Inch.
Square. $1\frac{1}{2} \times \frac{3}{4}$ Inch.
Flat.1 x $\frac{3}{4}$ Inch.
Oval. $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ Inch.
Bevilled.1 Inch.
Round. $\frac{3}{4}$ Inch.
Octagon.

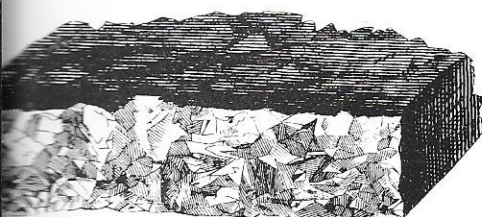
END SECTION OF STEEL IN BARS

 $1\frac{1}{4} \times \frac{1}{2}$ half Round.

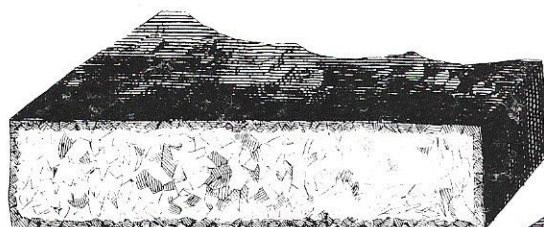
Cabinet File Steel

 $\frac{1}{8} \times \frac{1}{4}$

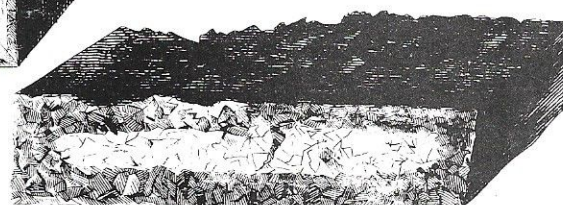
Half-Round File Steel

 $1\frac{1}{2} \times 1 \times \frac{1}{2}$ Inch.
Bevilled. $1\frac{1}{2}$ Inch.
Three Square. $1\frac{1}{2} \times \frac{1}{2}$ Inch.

Blister Steel, Melting Temper



Blister Steel, Spring Temper



Blister Steel, Shear Temper

BLISTER BAR STEEL.

REMARKS TO USERS OF STEEL.

Being users as well as makers of every description of Steel, our constant study has been to produce and work into the Tools we make and supply, such a quality of Steel as will commend both Steel and Tools, and secure to us the continued favour of our customers.

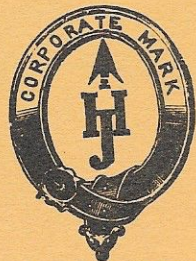
Practical experience has taught us the folly of trying to produce one Steel of such a temper as to be suitable for all purposes. We therefore have to request our friends when ordering Steel, always to state the purpose for which the Steel is intended.

The Quality of Steel means the absence of phosphorus, sulphur, and other impurities. This can only be secured by the selection of Pure Iron Ores, which are costly in proportion to their purity. The Grain of Steel is no indication of quality. Hard Steel shows a close fine grain, and a Milder Steel of the same quality shows a coarser grain.

Temper of Steel means percentage of carbon combined with the Iron, and has no relation to price. High prices will not guarantee users getting suitable Steel, unless the correct Temper is supplied.

Much Steel is rejected as bad in quality because it has been used for a purpose for which the Temper was unsuitable. Much also is spoiled by over heating in working it, and much is condemned because sufficient care has not been taken in Hardening and Tempering the same.

In order to prevent the foregoing results, we should recommend that no kind of Steel should be heated more than is absolutely necessary to forge it to the required shape, and that it be well hammered before it is thrown down. In Hardening no more heat should be given than is just necessary to throw off the scale, and the tool should be thoroughly, yet slowly, soaked through to one uniform heat before it is immersed in the cold water bath, after which the Temper should be reduced according to the purpose for which it is required. One or two trials will serve to show the necessary temper.



JAMES HOWARTH & SONS,

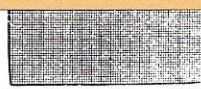
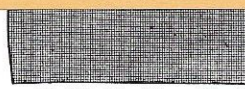
BROOMSPRING WORKS, BATH STREET,

SHEFFIELD,

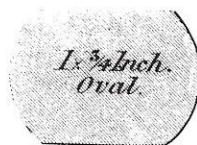
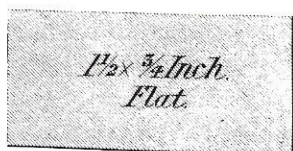
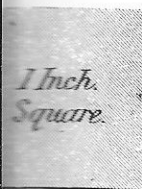
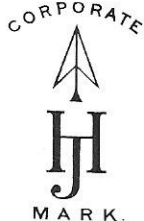
STEEL, TOOL, FILE, HAMMER & SAW MANUFACTURERS.



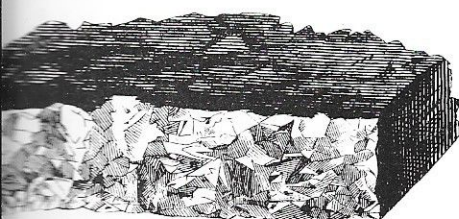
Chisel Steel in the Ingot

25 Single Shear Steel
Tilted to size26 Double Shear Steel
Tilted to size

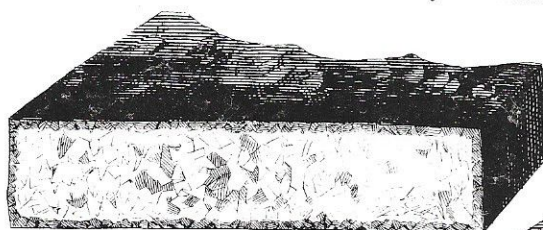
Tool Steel in the Ingot



END SECTION OF STEEL IN BARS

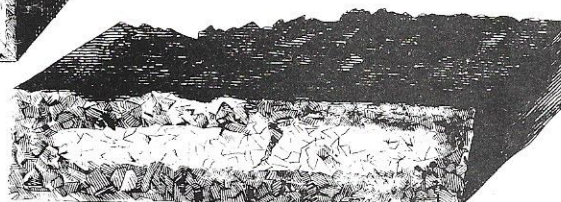


Blister Steel, Melting Temper



Blister Steel, Spring Temper

**BLISTER
BAR STEEL.**



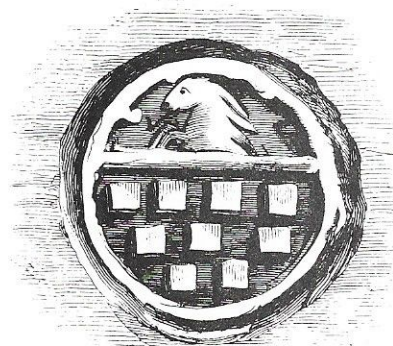
Blister Steel, Shear Temper



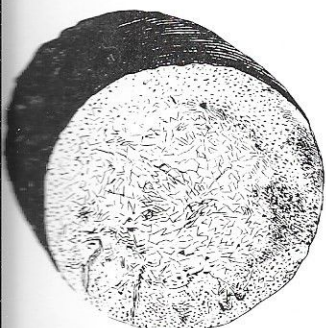
GL Blister Steel



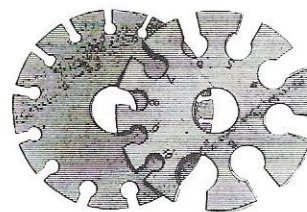
Blister Hoop L Bar Steel, Side Section



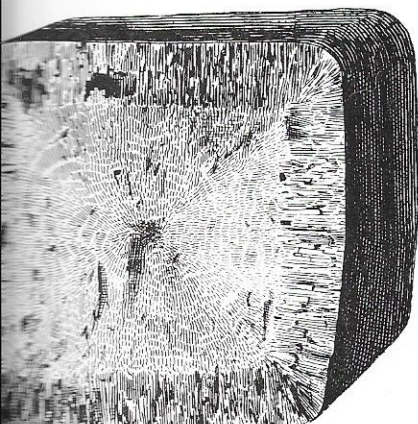
Steinbuck Blister Steel



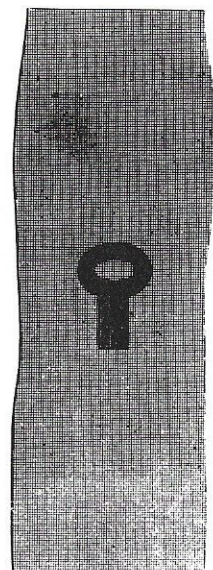
Punch Steel



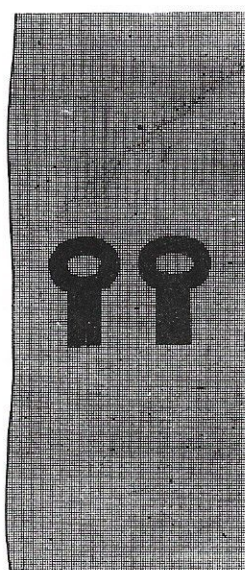
Circular Wire Gauge



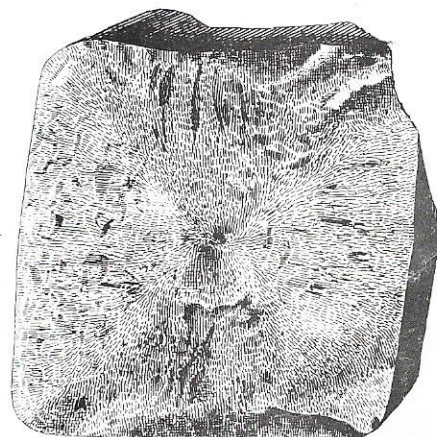
Chisel Steel in the Ingot



25 Single Shear Steel
Tilted to size



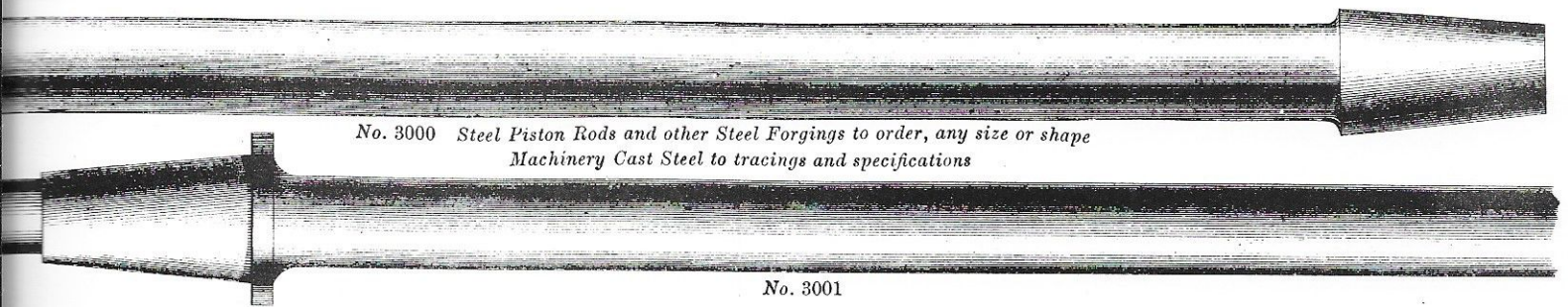
26 Double Shear Steel
Tilted to size



Tool Steel in the Ingot

NUMBER.	DESCRIPTION OF STEEL IN BARS OR RODS $\frac{1}{2}$ -INCH SQUARE, $\frac{5}{8}$ -INCH ROUND OR OCTAGON, AND FLATS 1-INCH \times $\frac{1}{4}$ -INCH AND ABOVE. SMALLER SIZES AND SPECIAL SECTIONS TO SPECIAL QUOTATION.	QUALITIES.			
		SPECIAL BEST WARRANTED	BEST WARRANTED X X X	WARRANTED X X	GOOD X
		Net Prices per Cwt. delivered in Sheffield.			
27	Cast Steel for MASONS' TOOLS and COAL MINERS' DRILLS ...				
28	Do. for Drift Bolts				
29	Cast Steel for MINERS' DRILLS, JUMPERS, & QUARRY DRILLS ...				
30	Do. for Granite Drills, Jumpers, &c.				
31	German or Common Steel for Wedges, Cotter Keys, &c....				
32	STEEL, for Piston Rods, &c., (if Forged to shape, extra) ...				
33	Do. Round, for Mill Shafting and other Shafts				
34	Do. „ Mild Temper				
35	Do. Common Spindles &c. Reeled true $\frac{5}{8}$ inch and upwards, for Agricultural Implements, &c....				
36	Do. for LOOM SPINDLES, &c., (cut to length)				
37	SPRING STEEL for Loom and Shuttle Springs, &c.				
38	Do. for Coaches, $1\frac{1}{2} \times \frac{3}{16}$ and above				
39	Do. High-class, for Light Carriages $1\frac{1}{4} \times \frac{3}{16}$				
40	Do. Single Bar for Light Carriages to Special Sections, prices on application.				
41	Do. for Railway Carriage and Locomotive Springs ...				
42	Do. for Railway Wagon Bearing Springs				
43	Do. for Mangle Springs, &c.				
44	Do. for Vermin Trap Springs, &c.				
45	Plough Plate Steel in Sheets				
46	Do. Pared to pattern breast of any known make of plough				
47	Do. Pared and Bent to pattern, black				
48	Do. Pared, Bent, Ground and Punched				
49	Do. Pared, Bent, Ground, Glazed and Punched				
50	Plough Side Steel, Bevelled				
51	Plough Share Plates, Pared to pattern				
52	Cast Steel WIRE in Coils, No. 4 Gauge, (if straightened and cut to lengths, extra...				
53	Do. Common, in Coils, No. 4 Gauge				
54	Bessemer Steel Wire in Coils, No. 4 Gauge				
55	Cast Steel in SHEETS for Springs by weight, (springs pared out to size, sold by the gross)...				
56	Do. in Sheets for Saws, (if pared out to shape, extra) ...				
57	Horse Shoe, Toe Calk, and Tyre Steel				
58	Do. Charlier, and other patterns				
59	Horse Rake Tooth Steel, Flat, Round or Oval				
60	Do. do. Fish-back or Rail Head Sections				
61	Do. do. to Special Sections				
62	Steel Shovel Plates, Square Nose for Rivetted Shovels to 17th Gauge, pared				
63	Do. Round do. do. do. do.				
64	Do. Square Nose for Socket Shovels to 17th Gauge do.				
65	Do. Round do. do. do. do.				
66	Bycicle Tyre Steel				

SHEET STEEL for Dredging and Steam Navy Buckets, Pit Tubs, Funnels, Trunks, and Shop Shutters, to Special Quotations.
Strip Steel for Cask Hoops Prices on application.
STEEL made with Special Care for the SHEFFIELD TRADES, viz., for Edge Tools, Files, Saws, Scissors,
Shears, Scythes, Hammers, Hay and Manure Forks, Cutlery, Table, Pen, Pocket, Shoe, and Butchers'
Knives, &c. Anvil Face Steel, Pick Axe, and Shovel Steel, &c.... Do.
File Blanks forged and annealed Do.
Saw Plates pared to size and shape Do.
Finished Springs for Carriages, Dog Carts, Coaches, Vans, Lurries, Wagons, Tramcars, Locomotive and
Railway Carriages, Railway Wagon, Bearing, and Mangle Springs, &c. Do.
Chaff Knives, Reaper Sections, Reaper Slides and Finger Bars, Rivets, Cotter Keys, Finger Plates,
Turnip Cutter Knives, Root Pulper Knives, Lawn Mower Knives, Beater Plates, and every other
description of Agricultural Implement appliances, to order Do.
Machine Planing, Grooving, Forging, and Lathe-cut Screws, to order Do.
STEEL FORGINGS, any shape or size to Tracing and Specifications, Piston Rods, Axles, Shafting, &c. Do.
STEEL CASTINGS, for Bone Mill, Change, and other Wheels. Estimates to Specifications Do.
QUOTATIONS given to Engineers' Specifications, and MERCHANTS, and SHIPPERS' INDENTS. Do.

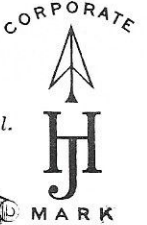


No. 33 Steel Shafting. 35 Small sizes, reeled true

No. 60R Rail Head-shape
Horse Rake Tooth Steel.

Eccentric Shaft

No. 60F Fish-back
Horse Rake Tooth Steel.



1152 Reaping Machine Draw-bar complete, with Knives.



2010 Machine Irons to order.

1198

1199

2010 1/2

77 Hind Spring for Carriage
Made also in single Bars
See Sections below.

75 Cart, Van, Lurry,
Wagon, and Dray Springs.

No. 75 Unless discretionary, state number
of plates and thickness required.

74 Dog Cart Spring 74S If Single Bar
Single Bar Carriage Spring, Steel Sections

40B

40A

40C

End Section.

41 & 42 Railway Spring Steel

Bicycle Tyre Steel.

1171 Corn Thrasher Beater Plate

2030

Steel Casting, size to order

46 Steel Plough Breast, H.P.

1134

Reaper Teeth

45 Plough Plate Steel, in Sheet

2040

STEEL
CASTINGS

2033 Rocking Shaft

STEEL CASTINGS

2031

2034

1161 Reaping Machine Finger Plate

2038

2036

2037

NOTE.—Estimates given for Steel Castings. Customers to please state on Specifications if to their own wood models or otherwise. If customers' requirements differ from makers' models, unless the orders are large an additional charge for making the wood models will have to be made.—J. H. & Sons.

No. 7½ Hand Smooth.

Bastard New Cut for Wrought Iron.

PRICES OF FILES AND RASPS.

In consequence of considerable advances, both in Wages and Materials, it was unanimously resolved, at a General Meeting of File Manufacturers, held at the Cutlers' Hall, Sheffield, on the 16th May, 1872, that the following List of Prices be adopted by the Trade from this date.

Flat, Half-Round, Square, Round, Entering, Taper Cotter, Horse, Shoe, Flat, and Half-Round Rasps.

Mill Saws, one or two Square Edges Single and Double Cut.

Topping Files, Single and Double, left at Point, and Safe Edges.

	1to4	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10	10½	11	11½	12	12½	13	14	15	16	17	18	19	20	21	22	23	24	inch
	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.	s.d.
ROUGH AND BASTARD	4 9	5 3	5 9	6 3	7 0	7 6	8 6	9 10	6 11	0 12	0 13	6 15	0 16	6 18	0 20	0 21	6 23	0 25	0 30	0 36	0 43	0 50	0 60	0 68	0 81	0 93	0 106	0 121	0 140	0 doz.	
2ND CUT FLAT & ½-ROUND GUNSTOCKERS' AND ROUND RASPS	5 6	6 0	6 9	7 6	8 3	8 9	9 9	10 9	12 12	0 13	6 15	8 17	0 18	6 20	0 22	0 24	0 25	6 27	0 33	0 39	0 47	0 55	0 65	0 75	0 89	0 101	0 115	0 132	0 151	0 ..	
SMOOTH AND CABINET FILES AND RASPS ..	6 9	7 6	8 3	9 0	9 6	10 6	11 6	12 13	6 14	6 15	6 17	0 19	0 20	6 23	0 25	0 26	6 28	0 30	0 36	0 42	0 52	0 63	0 74	0 84	0 99	0 113	0 128	0 146	0 166	0 ..	
DEAD SMOOTH & EXTRA SMOOTH CABINETS	10 3	11 3	12 6	13 6	14 6	15 9	17 6	18 6	20 22	22 23	23 25	25 26	26 31	31 35	35 38	40 42	45 45	54 54	63 63	78 78	94 94	111 111	126 126	149 149	170 170	192 192	220 220	250 250	0 ..		

EXTRAS.—All above 24 inches, 20s. per inch extra.—Flat Files, double cut on the edge, to advance half inch.—Topping, Square Cut Edges, to advance half inch. Mill Saw, two Round Edges, advance half inch.—Feather Edge and Knife Files, to advance 3 inches.

Three-Square, Hand, Equalling one Safe Edge, Parallel Cotter, Pillar, Needle, Round-off, Bone, Pottance, one Round Edge Flat, Extra Thin Flat and Warding, and High Back Half-Round.

	1to4	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10	10½	11	11½	12	12½	13	14	15	16	17	18	19	20	21	22	23	24	inch
ROUGH AND BASTARD	5 3	5 9	6 3	7 0	8 6	9 6	10 6	11 12	12 13	13 15	14 16	15 18	16 20	17 21	18 23	19 25	20 26	21 28	22 30	23 36	24 42	25 52	26 63	27 74	28 84	29 99	30 113	31 128	32 146	33 166	0 doz.
SECOND CUT	6 0	6 9	7 6	8 3	9 9	10 9	12 12	13 13	14 15	15 17	16 18	17 20	18 22	19 24	20 25	21 27	22 30	23 33	24 39	25 47	26 55	27 65	28 75	29 89	30 101	31 115	32 132	33 151	34 172	0 „	
SMOOTH	7 6	8 3	9 0	9 6	11 6	12 13	13 14	14 15	15 17	16 19	17 20	18 22	19 25	20 26	21 28	22 30	23 36	24 42	25 52	26 63	27 74	28 84	29 99	30 113	31 128	32 146	33 166	34 188	0 „		
DEAD SMOOTH	11 3	12 6	13 6	14 6	15 9	17 6	18 6	20 22	22 23	23 25	25 26	26 31	28 31	30 35	33 38	36 40	42 45	45 54	54 63	63 78	78 94	94 111	111 126	126 149	149 170	170 192	192 220	220 250	250 282	0 „	

EXTRAS.—All above 24 inches, 20s. per inch extra.—Pin Files and Tanged Horse Rasps, to advance 1 inch.—Round-off, with points, to advance 1 inch. Needle exceeding breadth of Hand Files, as Equalling cut on both edges.—Equalling and Cotter Files, extra thin, to advance 1 inch.

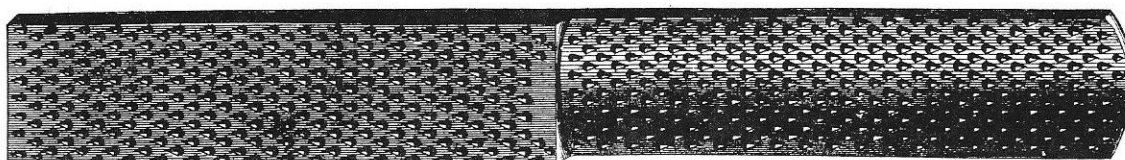
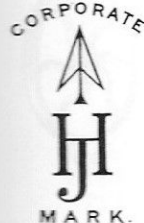
Hand and Equalling, cut both Edges, or with one Double Cut Edge Flat with two Round Edges. Lock, Arch, Riffler, Tumbler, Oval Saw Files, Cant, Taper Cross, Bellied Three Square. Double Tanged Mill Saw, Topping two Round Edges.

	1to4	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10	10½	11	11½	12	12½	13	14	15	16	17	18	19	20	21	22	23	24	inch
ROUGH AND BASTARD	6 3	7 0	7 6	8 6	9 6	10 11	11 12	12 13	13 15	14 16	15 18	16 20	17 21	18 23	19 25	20 26	21 28	22 30	23 33	24 36	25 41	55 0	64 0	74 0	87 0	100 0	114 0	131 0	150 0	168 0	doz.
SECOND CUT	7 6	8 3	8 9	9 9	10 12	11 12	12 13	13 15	14 17	15 18	16 20	17 22	18 24	19 25	20 27	21 30	22 33	23 36	24 43	51 0	60 0	70 0	82 0	95 0	108 0	123 0	141 0	161 0	182 0	0	„
SMOOTH	9 0	9 6	10 6	11 6	12 13	13 14	14 15	15 17	16 19	17 20	18 22	19 25	20 26	21 28	22 30	23 36	24 42	50 0	60 0	70 0	82 0	91 0	106 0	120 0	136 0	156 0	182 0	208 0	0	„	
DEAD SMOOTH	13 6	14 6	15 9	17 6	18 6	20 22	22 23	23 25	25 26	26 31	28 31	30 35	33 38	36 40	42 45	45 50	54 59	60 70	70 86	102 0	118 0	138 0	160 0	180 0	206 0	236 0	274 0	312 0	0	„	

EXTRAS.—All above 24 inches, 20s. per inch extra.—Hand and Equalling with Round Edges, advance 1 inch; if double cut, 2 inches. Two-tanged Mill Saw, two Round Edges, advance half inch.

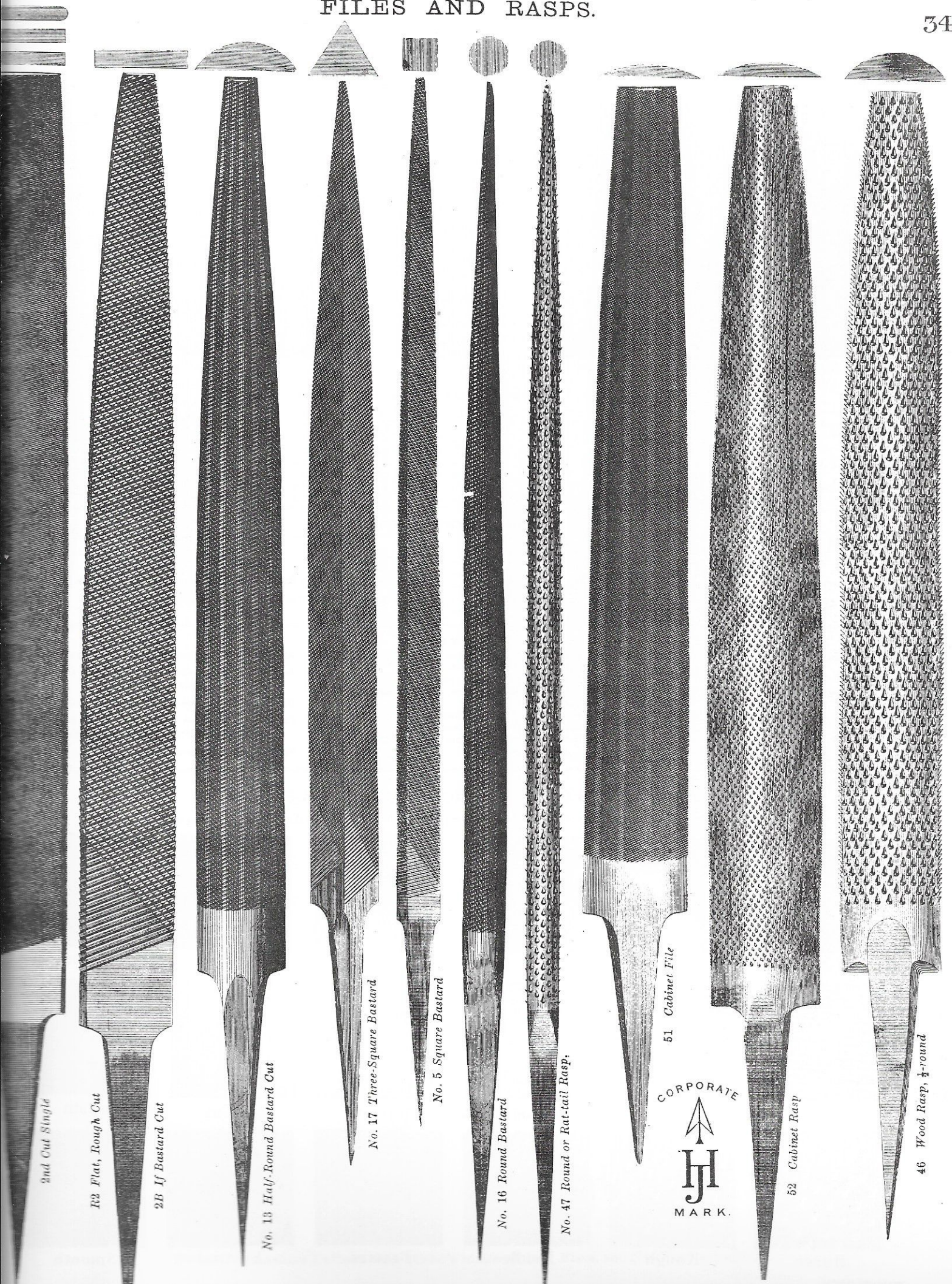
Fish Back Files, same prices as Taper Cross Files.

Cant File Bastard.



55½ Improved Shoe Rasps, ½, ⅓ or ⅔ File,





12 Flat, Rough Cut

2B 1/2 Bastard Cut

No. 13 Half-Round Bastard Cut

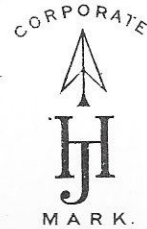
No. 17 Three-Square Bastard

No. 5 Square Bastard

No. 16 Round Bastard

No. 47 Round or Rat-tail Rasp

51 Cabinet File

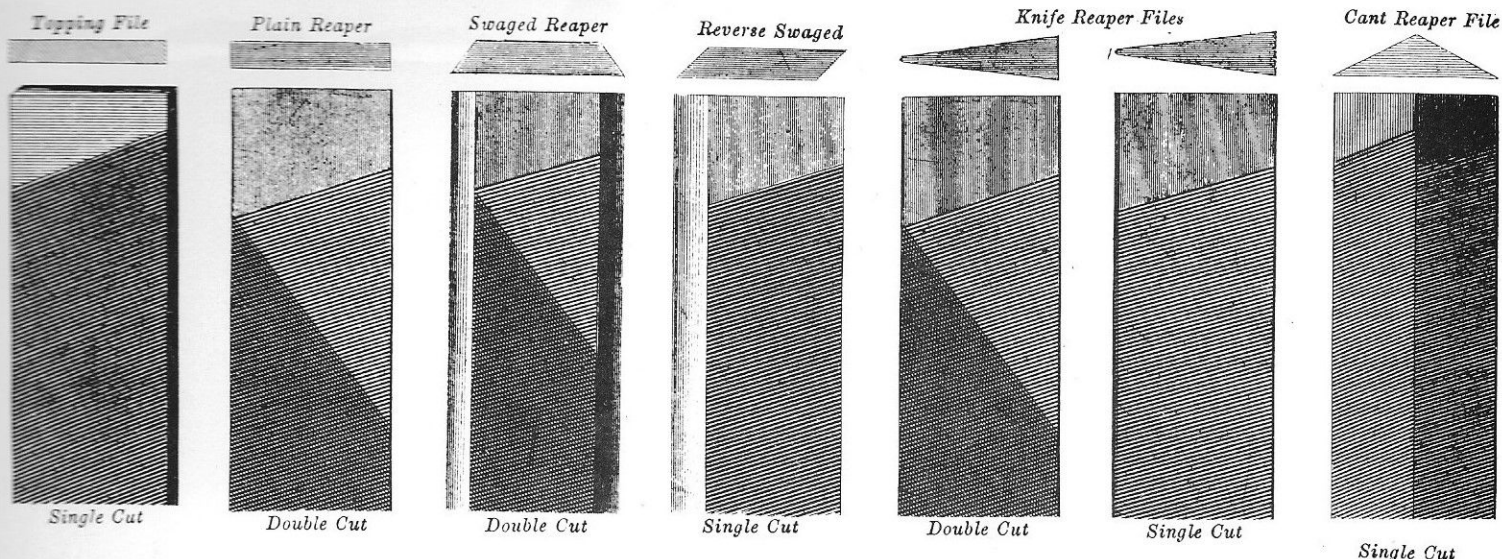


52 Cabinet Rasp

46 Wood Rasp, 1/4-round

Note.—Files can be supplied Sand Blasted for a small extra charge.—J. H. & Sons

FILES AND RASPS.



BEST REFINED CAST STEEL SAW FILES.

	1 to 3 1/4	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	11	12	13	14	1n.
TAPER SAW FILES, SECOND CUT, SINGLE	4 0	4 6	5 0	5 6	6 6	7 6	8 6	9 6	10 6	12 0	13 6	15 6	17 6	19 6	24 0	29 0	34 0	40 0	doz.
Do. Do. SECOND CUT, DOUBLE	4 9	5 3	6 0	6 6	7 6	8 6	9 6	11 0	12 0	13 6	15 0	17 0	19 6	21 0	26 0	31 0	37 0	43 0	22
Do. Do. SMOOTH, SINGLE	5 6	6 0	6 3	7 0	8 0	9 0	10 0	11 0	12 6	14 0	15 6	17 0	19 6	21 0	26 0	31 0	37 0	43 0	22
FRAME SAW FILES AND GULLETING, SECOND CUT, SINGLE	4 9	5 3	5 9	6 6	7 6	8 6	9 6	10 6	12 0	13 6	14 6	16 0	18 0	20 0	25 0	30 0	36 0	43 0	22
Do. Do. Do. SECOND CUT, DOUBLE	5 9	6 3	6 9	7 6	8 6	9 6	10 6	12 0	13 0	14 6	16 0	17 6	19 6	22 0	27 0	32 0	39 0	46 0	22
BLUNT SEGMENT SAW FILES, AND TAPER CUT TO POINT, 2ND CUT SINGLE	5 0	5 6	6 6	7 6	8 6	9 6	10 6	12 0	13 6	15 6	17 6	19 6	21 6	24 0	29 0	34 0	40 0	..	22
BLUNT SECOND CUT DOUBLE, AND BAND SAW, SECOND CUT SINGLE	6 6	7 6	8 6	9 6	10 6	12 0	13 6	15 6	17 6	19 6	21 6	24 0	26 6	29 0	34 0	40 0	..	..	22

REAPER KNIFE FILES.

	7	8	9	10	inches.
PLAIN AND SWAGED, SINGLE	8 6	9 3	11 6	13 6	per doz.
Do. Do. DOUBLE	9 0	10 0	12 9	15 6	..
KNIFE SHAPE, SINGLE	8 6	9 6	11 9	13 9	..
Do. Do. DOUBLE	9 6	10 6	13 3	16 0	..
CANT SHAPE, SINGLE	12 6	13 6	16 3	19 0	..
Do. Do. DOUBLE	13 6	14 9	17 6	21 3	..

EXTRAS.

Taper Saw Files, Double Cut Smooth, to advance half inch on Single Smooth.
Frame Equalling Saw Files, 3 inches on Frame Saw Price.

EXTRAS.

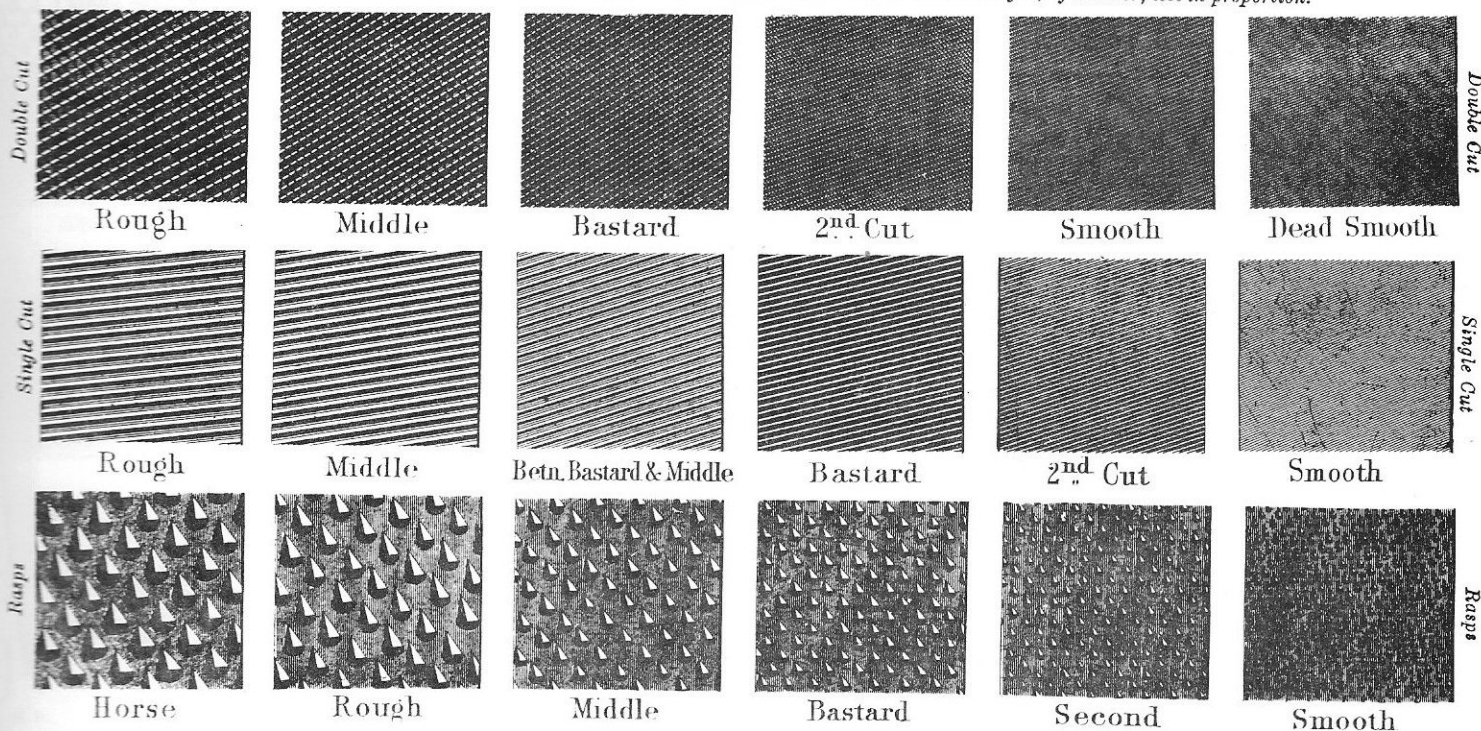
Rubbers, Rough and Bastard	1s	3d	per lb.
Do. Second Cut	1s	5d	..
Do. Smooth	1s	7d	..
ROUGH AND BASTARD. 2ND CUT. SMOOTH.			
1 lb. Rubber	1/8	per lb.	1/9 per lb. 1/10 per lb.
2 " "	1/6	"	1/6 " 1/7 "
3 " "	1/4	"	1/5 " 1/6 "
Strong Flat Files, and Half Thicks, Rough and Bastard	1/5	"	..
Do. do. do. Second Cut	1/7	"	..
Do. do. do. Smooth	1/9	"	..

Three-square 1d. per lb. extra to Flat Files.
Horse Mouth Rasps, 6s. each.
Bread Rasps, handled, 30s. per doz.
Single Improved Shoe Rasps, 1/4-inch on Flat Prices.
Double do. do. 1 do. 6d.
Last Makers' Rasps, to advance 2 inches.
Saddle Tree Rasps, to advance 3 inches.
All Parallel Files to advance 1 inch on their respective descriptions.

All Quarter Inches, the price of the next size above.
Round, Half-Round, and Cross Files Double Cut Second Cut, to advance half an inch.
Ditto. Double Cut Smooth, to advance one inch.
Flat, Three-square and Hand Files, Rough and Middle Cut, above 14 inches, 6d. per doz. extra to Bastard Cut.
New Cut Files to advance 1 inch.

ILLUSTRATIONS OF THE VARIOUS CUTS OF FILES & RASPS.

These Cuts are engraved from Files 12 inch long; if longer than 12 inch, the Cuts will be larger; if smaller, less in proportion.



65 Frame Saw File, Half Round



Warding File, Cut one or both sides



64 Gulleting File, Round



Taper Saw File, cut to Point



61 Taper Saw File



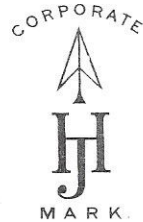
203 Blunt Saw File, Lancashire Pattern



63 Blunt Saw File



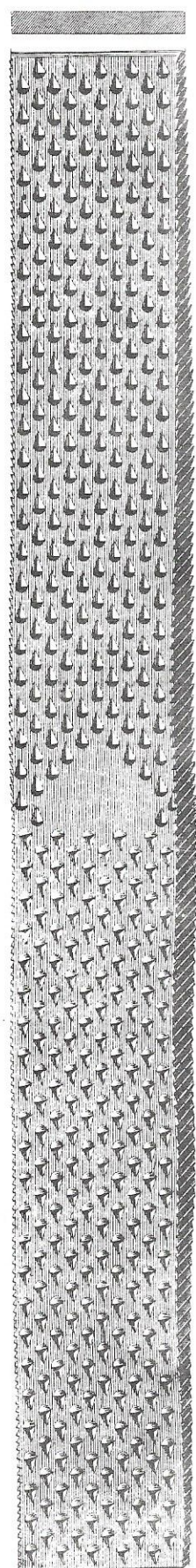
Parallel Cotter File, Smooth Cut



Slotting Smooth File



Cross File Taper Bastard



48 Horse Rasp
No. 44 If Tanged
extra price

Note.—Lancashire Pattern and Stubb's make of Saw Files, see Net Prices, page 36.

SAWS—(Joiners', Cabinet Makers', &c.)

HAND SAWS. Where size is not stated, 26 inch sent for Hand, and 28 inch for Rippers.

[illegible]

Please state when for Miners' use, and if raised Iron Rivets preferred.

	6	7	8	9 inches.
#1 Blued Toy Hand Saws....	8/9	9/4	10/0	11/0 per dozen.

Cast Steel Joiners' Hand Saws, Best Country Handles, or London Plain Handles ..	26 inches, 74/0	} Made 4½, 5, 5½, 6, 6½, points to the inch.
Warranted London Spring	26 " 90/0	
" " " with Fleam Tooth....	26 inch, 90/0 per dozen.	For Cross-Cutting Planks, &c., made also 22, 24, 28 inch.

22 24 26 inches.

Cast Steel Pannel Saws....	64/0	72/0	74/0	per dozen.	Made 7 to 9 points to the inch.	London Spring, 16/0 per dozen extra.
„ Half or Full Ripper....	28	inches,	80/0	London Plain Handles, Thin Plates, same prices.		

[illegible]

	18	20	22	24	26	inch.		18	20	22	24	26	inch.
Cast Steel Table Saws	44/0	48/0	54/0	58/0	62/0	per dozen.	G.S. Table Saws	40/0	44/0	48/0	52/0	56/0	per dozen.

53 Gentlemen's Brass Back Dovetail Saws, Box or Rosewood Handles, per dozen.
54 Bride Cake Saws, without Backs, 10 inches, No. 53 Rosewood Handles, sold net.

IRON BACK TENNON SAWS, also for Meat Sawing, &c. &c. (Blued Backs, same price.)

					8 to 10	12	14	16	18	inches.
47	3rd Quality,	G.S.	Iron	Back Saws....	28/9	31/3	33/6	"	"	per dozen.
48	2nd	"	"	"	38/6	41/6	44/9	"	"	"
49	Best	"	"	"	48/0	52/0	56/0	62/0	66/0	"
50	3rd	C.S.	"	"	33/6	36/0	38/6	"	"	"
51	2nd	"	"	"	44/9	48/0	51/3	"	"	"
52	Best	"	"	"	56/0	60/0	64/0	72/0	76/0	"

		8 to 10	12	14	16	18	inches.
13	London Spring Iron Back.....	64/0	68/0	72/0	82/0	86/0	per dozen.
14	Csst Steel Brass Back	72/0	80/0	90/0	104/0	112/0	"
15	London Spring Brass Back	84/0	96/0	108/0	120/0	132/0	"

Extras, Rosewood, Mahogany, Box or Ebony Handles, Etched Blades, Rule and Square, &c. extra price.

TURNING SAWS, CHAIR or COOPERS' WEBS. Thin Backs, Set and Sharpened. (Extra wide, extra price.)

		8	10	12	14	16	18	20	22	24	26	28	30	inches.
20	G.S. Narrow Joiners' Turning Webs....	6/0	6/3	6/6	7/8	8/9	11/3	13/9	16/3	18/9	..	..	..	per dozen
21	C.S. " " " "	8/0	8/6	9/0	11/0	13/0	15/0	18/0	20/0	24/0	27/0	30/0	32/0	"

Assorted to 9 12 14 inches.

		Assorted to 6	12	18	inches.
22	G.S. Tapered Fret or Pad Saws.....	6/0	6/3	7/6	per dozen.
23	C.S. " " "	6/6	7/6	9/0	"

	6	8	9	10	11	12	13	14	15 inches.
G.S. Iron Webs, for Sawing Iron and Brass	7/8	8/9	9/8	10/9	12/9	13/9	14/9	not done	

24	G.S. Iron Webs, for Sawing Iron and Brass....	..	7/6	8/9	9/6	10/9	12/0	13/9	15/0	..	per dozen.	For Frames, see Engineers' Tools.
24 1/2	C.S. " " " "	8/0	10/0	11/0	12/0	13/0	14/0	15/0	16/0	17/0	"	

BUTCHERS' SAWS. (For Meat, Bacon, &c.)

		16	18	20	22	inches.
28	Butchers' Frame or Bow Saws, complete.....	7/6	8/4	8/9	9/0	each.
	Flat or Oval Frames					

Extra Webs for above sold net.

G.S. and C.S. Iron Back Butchers' Meat Saws, Prices as Nos. 49 and 52 above.

	6	7	8	9	10	11	12	inches.
Founders' Metal Saws, Iron Backs, with Tangs....	24/0	26/0	26/0	28/0	28/0	30/0	30/0	per dozen.
" " " Best .....	..	..	..	..	40/0	44/0	48/0	"

Pruning, Grafting, Table Saws, and Endless Band Saws, to order.

Pruning Saw, with Hook, see No. 964.

	30 x 3	30 x 3½	30 x 3½ inches, 26th guage.	
London Firewood Saws.....	36/0	40/0	44/0 per dozen.	Fitted up with Frames, complete, extra price.

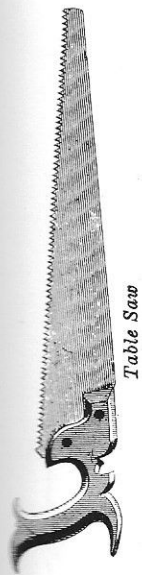
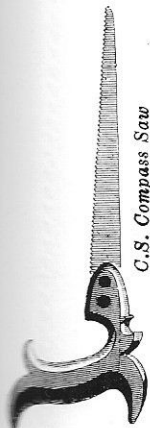


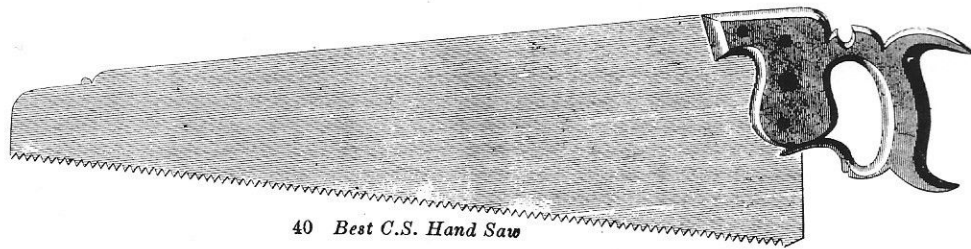
Table Saw



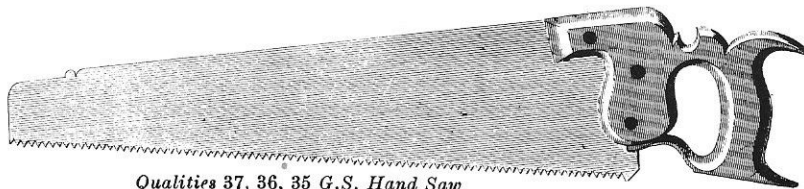
C.S. Compass Saw



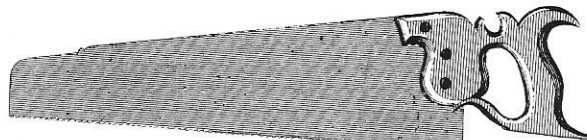
23 C.S. Fret Saw



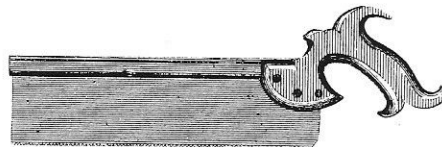
40 Best C.S. Hand Saw



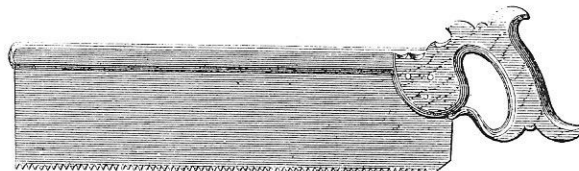
Qualities 37, 36, 35 G.S. Hand Saw



Qualities 35 to 40 Gent's Hand Saw



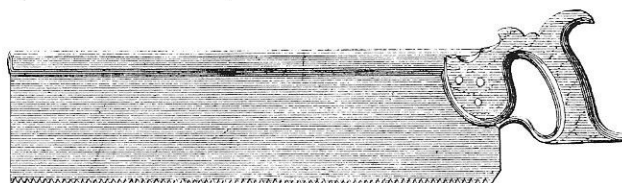
52 C.S. Dovetail Saw



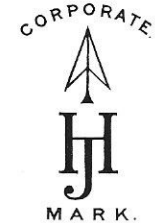
52 & 14 C.S. Tenon or Back Saw



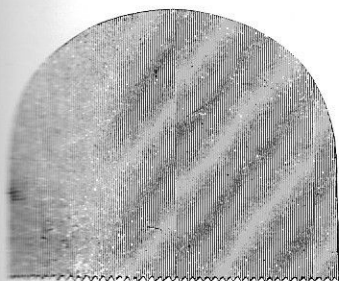
41 Toy Saw



Qualities 49, 48, 47 G.S. Tenon or Back Saw



CORPORATE
HJ
MARK.



Masons' Stone Drag



24½ C.S. Iron Web



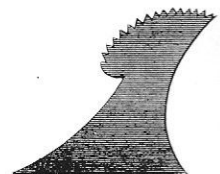
53 Gent's Dovetail Saw, Brass Back



20 Turning or Chair Web If C.S. No. 21



33 Firewood (Billet or Canada Web) C.S. 33½ G.S. 33½



Masons' Cockscomb

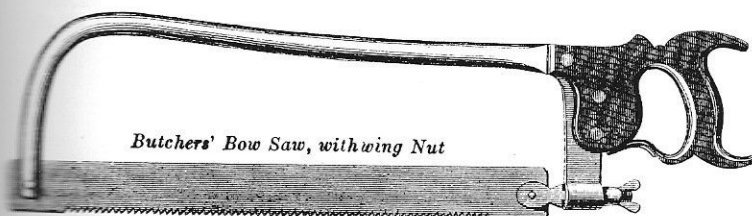


C.S. Pruning Saw

Double Edge Pruning Saw
20-inch dozen
18-inch
16-inch



C.S. Grafting Saw

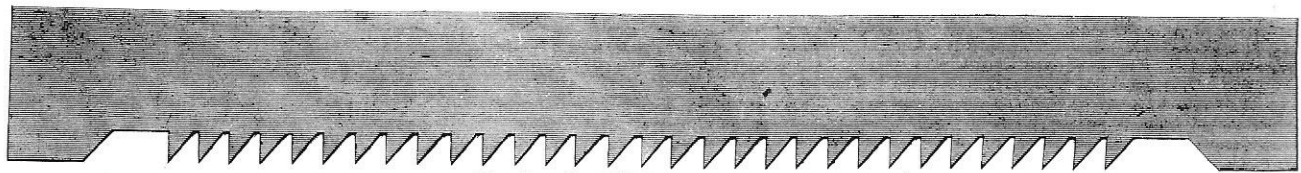


Butchers' Bow Saw, with wing Nut

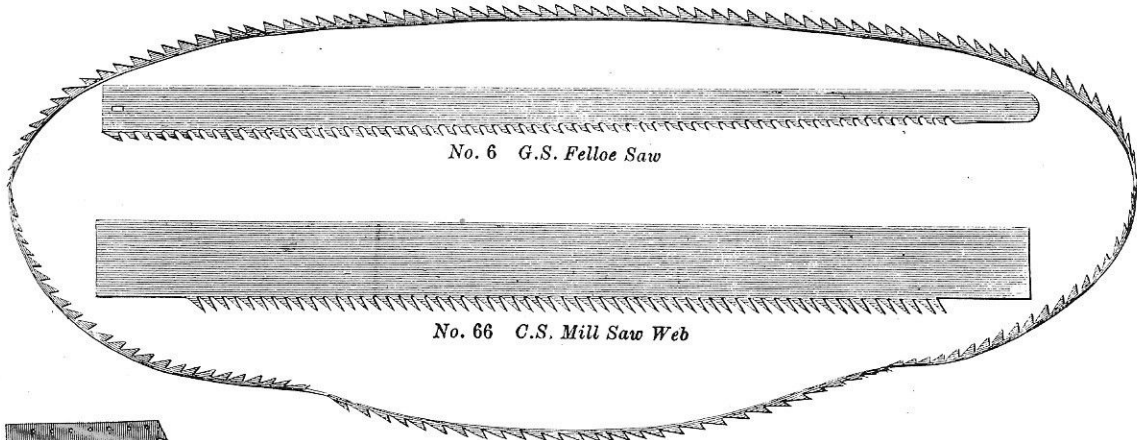


28 Butchers' Bow Saw
Oval or Flat Frame

Note.—All Web, Fret and Compass Saw Blades can be supplied Blued or Straw Coloured if preferred.



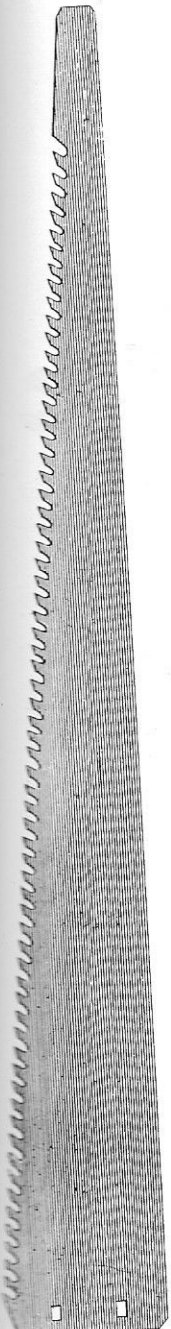
64 Cast Steel Mill Saw If G.S. No. 65



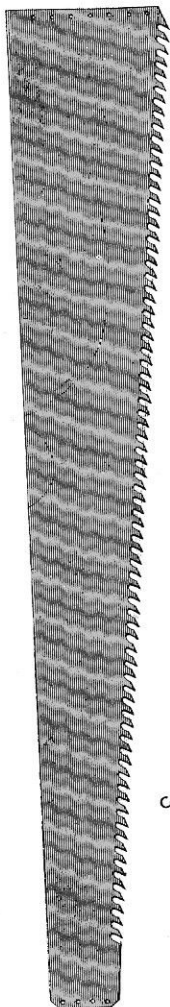
No. 6 G.S. Felloe Saw

No. 66 C.S. Mill Saw Web

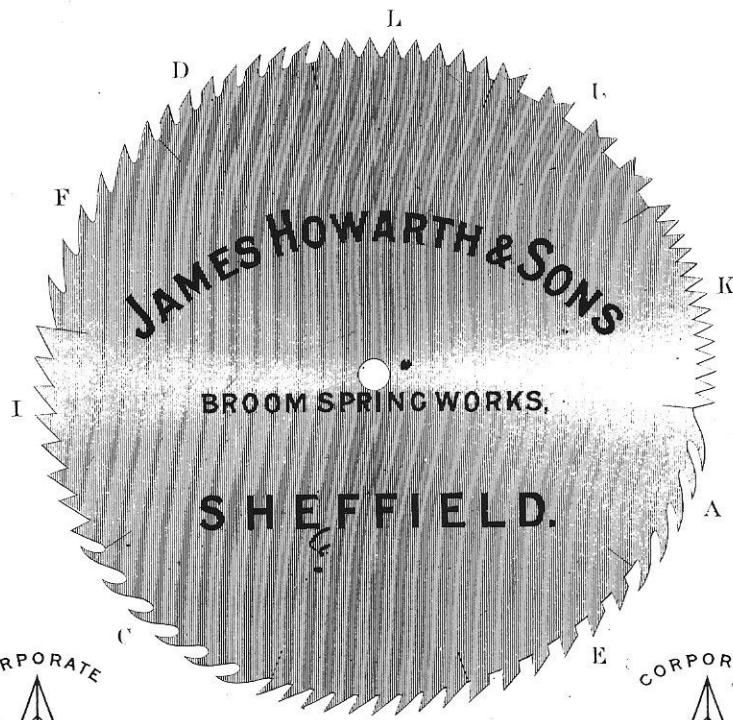
No. 75 Endless Band Saw



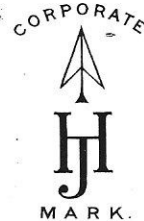
No. 56 C.S. Pit Saw



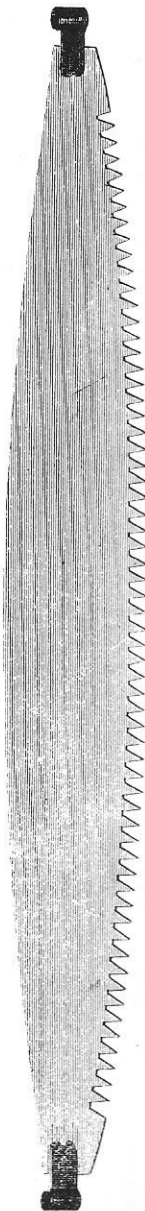
59 C.S. Frame Saw



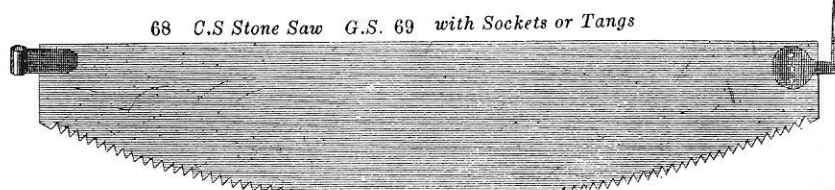
70 C.S. Circular Saw



Russian Cross Cut Saw



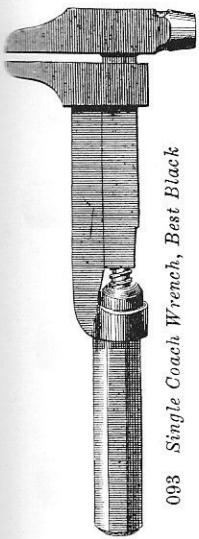
62 C.S. Cross Cut Saw



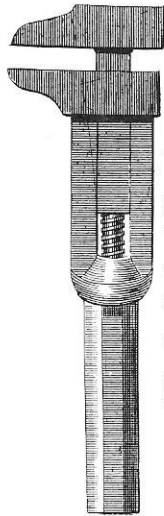
68 C.S. Stone Saw G.S. 69 with Sockets or Tangs

IRON CIRCULAR SAW BENCHES, with Spindle, Saws, and Pulleys complete
 ENDLESS BAND SAWS, with Iron Table, complete with Pulleys, &c.
 CIRCULAR SAW SPINDLES, with or without Ends drilled to work large Boring Tools
 MORTISING MACHINES, with Chisels complete

Illustrations and
 Prices on
 Application.



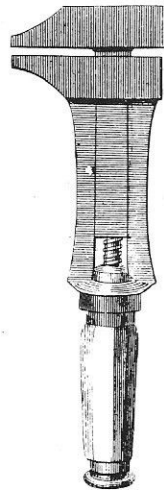
093 Single Coach Wrench, Best Black



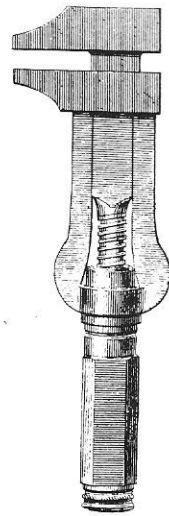
0214 Double Coach Wrench



0215 Double-action Coach Wrench



0217 Best Double Coach Wrench



0220 Best Double Railway Wrench



0231 Bright Cylinder Coach Wrench

NOTE.—These Wrenches have all good Square Lathe-cut Screws, with Strong Threads.

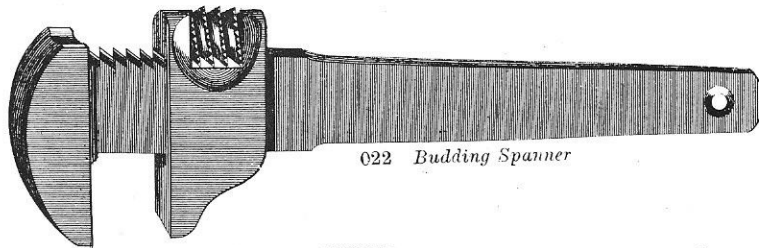


Double End Spanner or Screw Key

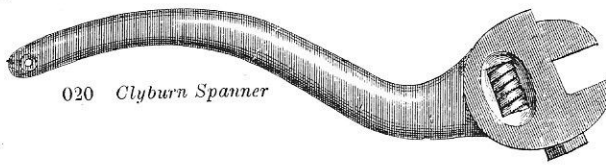
takes several sizes, sold net



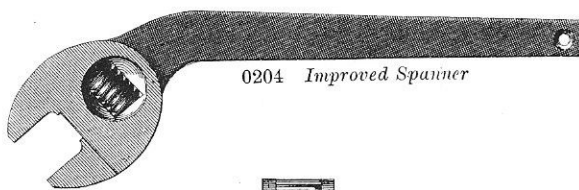
Spanner to take 3 sizes
sold net



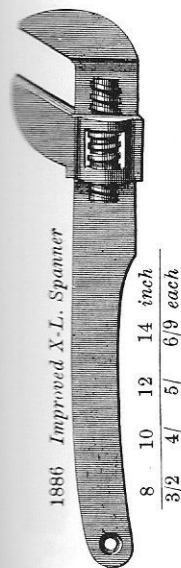
022 Budding Spanner



020 Clyburn Spanner

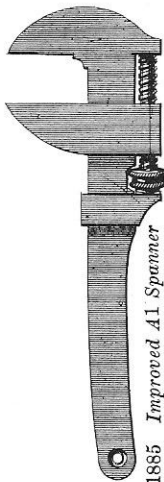


0204 Improved Spanner



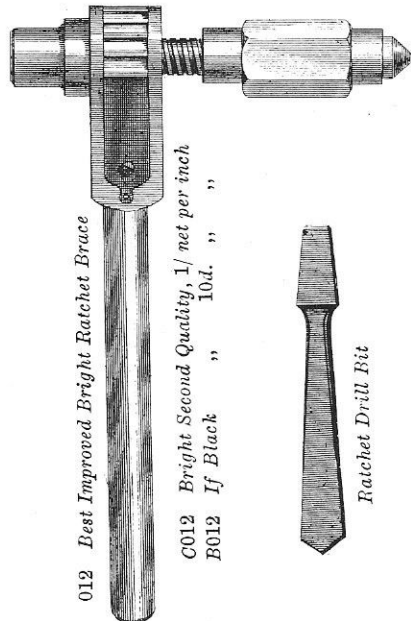
1886 Improved X-L Spanner

8	10	12	14	inch
3/2	4	5	6	9 each



1885 Improved A1 Spanner

6	7	8	9	10	12	14	inch
2/4	2/3	3/2	3/3	4	5	6	9 each

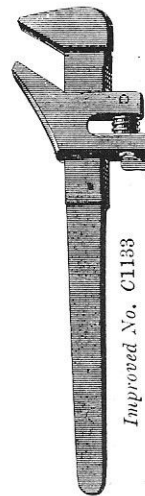


012 Best Improved Bright Ratchet Brace

C012 Bright Second Quality, 1/ net per inch
B012 If Black " 10d. " "

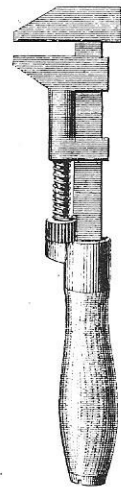


Ratchet Drill Bit



Improved No. C1133

New Adjusting Spanner, to net prices



563 Best American Pattern Wrench

C563 Common, to net prices time of ordering

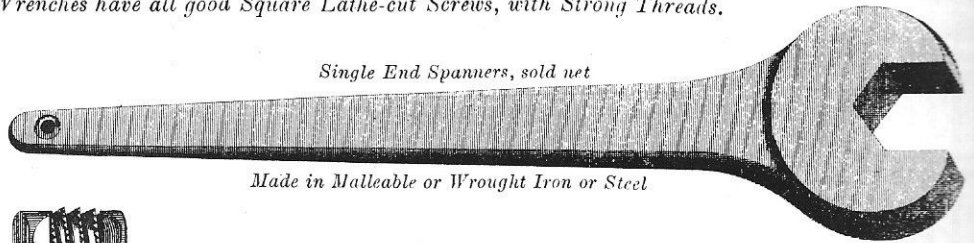


095 French Pattern Wrench

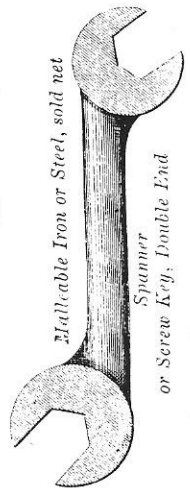
6	7	8	9	10	12	inch
3/3	3/6	4	4/9	5/3	6/6	each

Single End Spanners, sold net

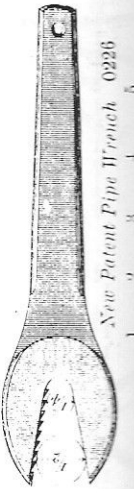
Made in Malleable or Wrought Iron or Steel



Malleable Iron or Steel, sold net

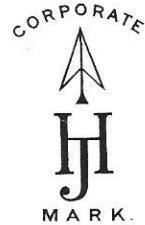


Spanner
or Screw Key, Double End



New Patent Pipe Wrench 0226

1	2	3	4	5	6	7	10	12	each
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SCREWING TACKLE (Best English Manufacture).

153 BEST ENGINEERS' STOCKS & DIES
(Whitworth's Standard Threads).

TO SCREW	With Taper and Plug Tap to each size.	With Taper 2nd, and Plug Tap to each size.	With Taper 2nd, Plug, and Master Tap to each size.
1/16	£ s. d. 1 0 0	£ s. d. 1 4 0	£ s. d. 1 9 0
1/8	1 5 0	1 10 0	1 17 0
1/4	1 10 0	1 17 0	2 5 0
3/8	1 15 0	2 3 0	2 14 0
1/2	1 17 0	2 5 0	2 15 0
5/8	1 9 0	1 15 0	2 3 0
3/4	1 10 0	1 17 0	2 5 0
7/8	1 17 0	2 5 0	2 15 0
1	1 18 0	2 7 0	2 18 0
1 1/16	2 6 0	2 16 0	3 9 0
1 1/8	1 12 6	2 1 0	2 11 0
1 1/4	1 19 0	2 9 0	3 1 0
1 1/2	2 0 0	2 10 0	3 3 0
1 3/4	2 3 0	2 14 0	3 9 0
1 7/8	2 8 0	2 19 0	3 14 0
2	2 16 0	3 10 0	4 7 0
2 1/16	2 0 0	2 10 0	3 3 0
2 1/8	2 8 0	3 0 0	3 16 0
2 1/4	2 13 0	3 8 0	4 6 0
2 1/2	2 16 0	3 11 0	4 9 0
2 3/4	2 7 0	3 0 0	3 15 0
2 7/8	2 16 0	3 11 0	4 10 0
3	3 1 0	3 19 0	5 1 0
3 1/16	3 7 0	4 4 0	5 5 0
3 1/8	2 16 0	3 9 0	4 6 0
3 1/4	2 16 0	3 11 0	4 9 0
3 1/2	3 7 0	4 3 0	5 2 0
3 3/4	3 7 0	4 5 0	5 8 0
3 7/8	3 12 0	4 13 0	5 18 0
4	3 17 0	4 18 0	6 3 0
4 1/16	3 4 0	4 2 0	5 3 0
4 1/8	3 16 0	4 18 0	6 5 0
4 1/4	4 8 0	5 14 0	7 4 0
4 1/2	3 4 0	4 2 0	5 3 0
4 3/4	3 4 0	4 3 0	5 5 0
4 7/8	3 6 0	4 6 0	5 10 0
5	3 17 0	5 0 0	6 7 0
5 1/16	3 19 0	5 4 0	6 14 0
5 1/8	4 12 6	6 2 0	7 18 0
5 1/4	5 0 0	6 9 0	8 4 0
5 1/2	4 8 0	5 11 0	6 19 0
5 3/4	4 14 0	6 1 0	7 13 0
5 7/8	5 6 0	6 16 0	8 12 0
6	5 13 0	7 6 0	9 6 0
6 1/16	6 12 0	8 11 0	10 18 0
6 1/8	6 10 0	8 4 0	10 1 0
6 1/4	6 19 0	8 18 0	11 1 0
6 1/2	7 16 0	9 16 0	12 0 0
6 3/4	8 3 0	10 12 0	13 5 0
6 7/8	9 6 0	12 3 0	15 5 0
7	8 0 0	9 19 0	12 2 0
7 1/16	8 10 0	10 16 0	13 6 0
7 1/8	9 3 0	11 15 0	14 12 0
7 1/4	10 4 0	12 18 0	15 17 0
7 1/2	10 10 0	13 15 0	17 6 0
7 3/4	11 10 0	15 6 0	19 9 0
7 7/8	10 0 0	13 2 0	16 10 0
8	13 15 0	18 5 0	23 0 0
8 1/16	12 0 0	16 3 0	20 10 0
8 1/8	16 5 0	22 4 0	28 10 0

154 IRON GAS TUBE STOCKS & DIES
(Standard Gas Threads).

TO SCREW.	With Taper and Plug Tap to each size.	TO SCREW.	With Taper and Plug Tap to each size.
1/16	£ s. d. 0 17 6	1 1 1/2	£ s. d. 6 10 0
1/8	1 1 0	1 1 1/4	7 7 0
1/4	1 7 0	1 1 1/2	8 7 0
3/8	1 4 0	1 1 3/4	4 14 0
1/2	1 11 0	1 1 1/2	6 4 0
5/8	1 18 0	1 1 1/4	7 5 0
3/4	2 6 6	1 1 1/2	8 14 0
7/8	1 12 0	1 1 1/4	5 0 0
1	1 19 0	1 1 1/2	6 10 0
1 1/16	2 7 0	1 1 1/4	8 0 0
1 1/8	2 18 0	1 1 1/2	8 14 0
1 1/4	1 16 0	1 1 1/4	9 5 0
1 1/2	2 6 0	1 1 1/2	9 15 0
1 3/4	2 16 0	1 1 1/4	6 5 0
1 7/8	3 4 0	1 1 1/2	8 14 0
2	3 4 0	1 1 1/4	10 10 0
2 1/16	3 15 0	1 1 1/2	11 1 0
2 1/8	2 1 0	1 1 1/4	12 8 0
2 1/4	2 12 0	1 1 1/2	13 3 0
2 1/2	3 3 0	1 1 1/4	8 5 0
2 3/4	3 17 0	1 1 1/2	11 5 0
2 7/8	3 17 0	1 1 1/4	12 7 0
3	4 10 0	1 1 1/2	14 0 0
3 1/16	2 16 0	1 1 1/4	16 6 0
3 1/8	3 8 0	1 1 1/2	12 16 0
3 1/4	4 4 0	1 1 1/4	17 5 0
3 1/2	5 0 0	1 1 1/2	20 4 0
3 3/4	5 15 0	1 1 1/4	21 0 0
3 7/8	5 18 0	1 1 1/2	22 10 0
4	4 6 0	1 1 1/4	24 11 0
4 1/16	5 13 0	1 1 1/2	27 0 0

155 BRASS and COPPER TUBE GAS STOCKS and DIES, with Taper and Plug
Taps, to each.

To Screw 1/4 Iron and 3/8 Brass	1/4, 3/8 Brass	3/8, 1/2 Brass	1/2, 3/4 Brass	3/4, 1 Brass	1 Brass Tube
25/6	25/6	25/6	29/		per set
3/8, 1/2, 3/4	3/8, 3/4	3/4, 1	3/4, 3/4, 1		Brass Tube
33/	44/	50/	60/		per set

157 IRON TUBE SOLID DIE STOCKS, } Quoted any required size.
Screws Tubes at once over156 WHITWORTH'S PATTERN GUIDE SCREW STOCKS and DIES, quoted any
required size.

2105 ENGINEERS' TAP WRENCHES—

3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	1 7/8	2	2 1/8	2 1/4	2 3/8	2 1/2	2 5/8	3 inch
3/	4/	5/	6/	7/	8/	9/	11/	14/	18/	22/	each										

2106 GAS TAP WRENCHES—

$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	inch
6/	8/	10/	12/	15/	19/	28/	36/	each			

ENGINEERS' TOOLS, STOCKS AND DIES, TAPS, SCREW PLATES, &c.,
OF BEST ENGLISH MANUFACTURE. FOR FOREIGN MAKE, CARD NO. SEE PAGE, 29.

153 Engineers' Stocks and Dies



Engineers' Taper Tap



Engineers' Second Tap



Engineers' Plug Tap



Engineers' Fluted Rimer



Machine Tap



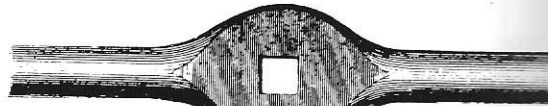
Master Tap



Taper and Plug Taps for Iron Gas Tube



Master Tap for Iron Gas Tube



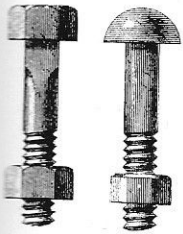
2105 If with two holes

2104 Single Hole Tap Wrench

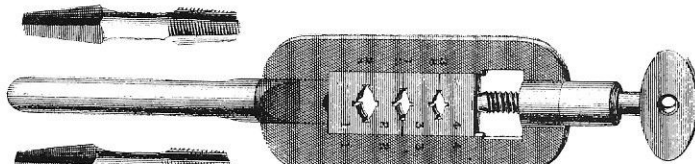
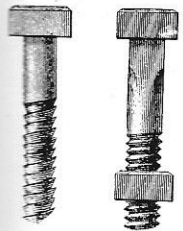
2106 If 3 holes for Iron Gas Taps



6105 Double Hand Screw Plate



Bolts, Nuts, Rivets, &c.
to net quotation



Gas Screw Stocks and Dies



Rivet



Split Key

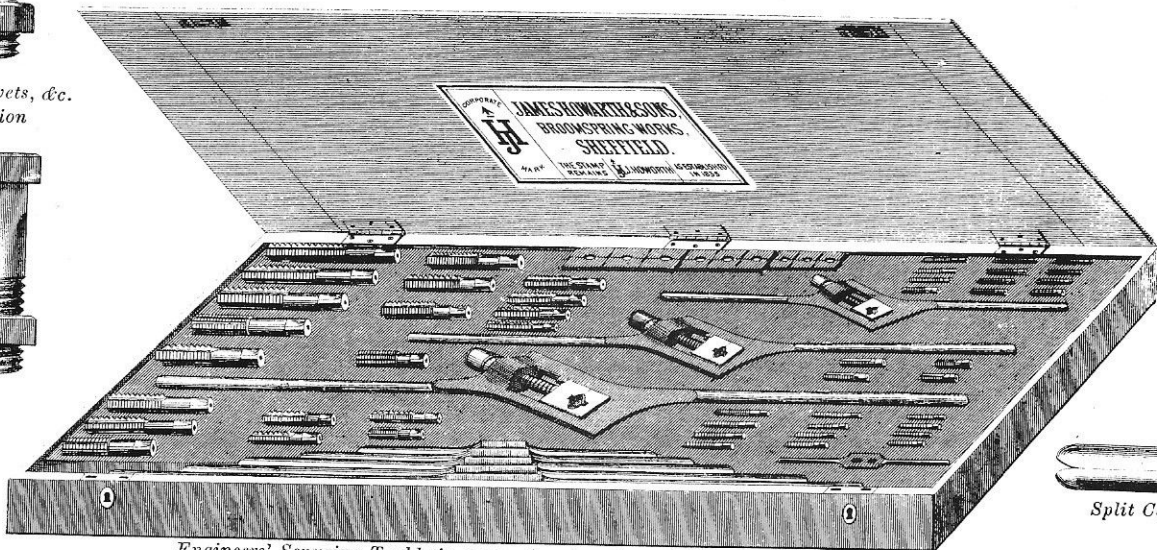
CORPORATE



MARK



Split Cotter Pin or Key



Engineers' Screwing Tackle in cases, sizes to order, prices on application

Flat



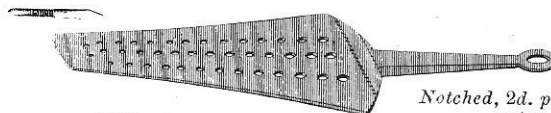
Diamond



Foalsfoot

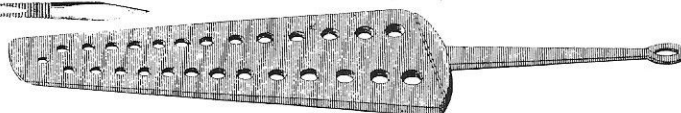


Engineers' Chipping Chisels

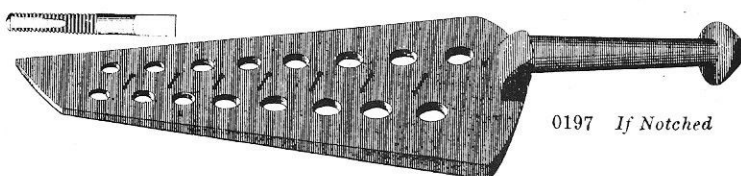


Notched, 2d. per size extra

1261	Watch Screw Plate with Taps	5	6	7	8	9	10	11	12	sizes
1/6	2/	2/6	3/	3/6	4/	4/6	5/	each		

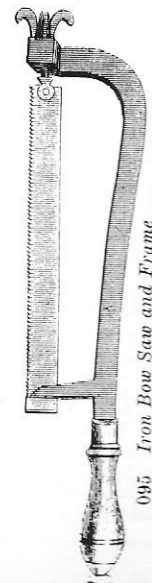


1262 Between Clock and Watch Screw Plate, with Taps, prices as Watch



0197 If Notched

0196 Plain Clock Screw Plate with Taps, 8 sizes



095 Iron Bow Saw and Frame



Lathe Carrier

Hand & Power Drilling Machines, Drilling Pillars, &c., prices and Illustrations on application.

SASH CRAMPS.		24	27	30	inches on bar.	
0291	Best Sash Cramps, Iron Heads, to Cotter	11/	12/	13/	per pair.	} If with Stag. extra.
0291S	Improved " " to Sneek	13/	13/9	14/9	"	
0292	Best " " Brass Heads, to Cotter	18/4	20/4	22/	"	
0292S	Improved " " to Sneek	20/4	22/4	24/	"	

					24	26	27	30	33	36	42	48 in. on bar
S293	Scotch Sash Cramps, Iron Heads, to Cotter,	Bars $1\frac{1}{4} \times \frac{1}{4}$, solid bright Iron Heads, with Stay			16/8	18/4	19/4	21/	22/6 per pair
"	"	" "	Bars $1\frac{1}{2} \times \frac{1}{4}$	19/	20/	22/6	24/6	26/ "
"	"	" "	Bars $1\frac{3}{4} \times \frac{5}{16}$	22/6	24/3	25/6	27/ "
"	"	" "	Bars $1\frac{3}{4} \times \frac{3}{4}$	30/	40/ "

0290	Door or Shutter Framing Cramps, best quality, with Sliding Stay, 3 to 6 feet, over 15 lbs. each, 10	d.	per lb.
	" " " " " " " " " " " "	under 15	11d. "

0294	Flooring Cramps, per pair, best, with Bright Handles, 21/.	0294B	Black Handles, 17/6.	0294C	Common, 14/ per pair
0294R	" " if with Through Pins, Reversible, 1/ per cramp extra				
1132H	Improved Flooring Cramps, with Handle and Cog Wheel, 26/6 each				
1132B	Bissell's " " " " " " 23/3			If Common, 1132C, 19/3 each	
2101	Barnby's Lever " " 12/6 each				

		16 x 1	18 x 1	18 x 1 $\frac{1}{8}$	20 x 1 $\frac{1}{4}$
0314	Iron Bench Screws, Black Handles, Loose Collars	5/	6/3	6/10	8/4 each
0311	" Bright Handles, "		8/4	8/9	10/
0313	" " Fast Collars			9/6	11/6 "
A0311	Amateurs' Small Bright Vice Screws, 8 x $\frac{3}{8}$, 3/6; 10 x $\frac{3}{4}$, 4/5; 12 x $\frac{7}{8}$, 5/ each Screws to order, lathe cut, for Cheese, Cider, Wine, or Hop Presses, &c.				

		$\frac{1}{4}$ to $\frac{3}{4}$	$\frac{1}{2}$ to $1\frac{1}{4}$	1 to 2	$1\frac{1}{2}$ to 3 inch				$\frac{1}{4}$ to 1	1 to 2	$1\frac{1}{2}$ to 3 inch
030	Pipe Wrenches ..	7/	9/	12/	22/ each.	031	Three Wheel Pipe Cutter....	17/	24/	31/ each.	
					$\frac{1}{4}$ to 1						
035	Combined Wrench and Cutter.....				$1\frac{1}{4}$ to 2						
					16/6						
					26/						
					36/6						
					each						

	16	18	20	22	24	26	28	30	32	34	36	38	40	42	inches across.
Long Shape Bellows.....	28/	32/	38/	46/	54/	65/	76/	92/	110/	137/	176/	220/	276/	330/	each.
Circular, Single Blast	74/	80/	90/	105/	120/	140/	168/	200/	236/	276/	316/	each.	36 inch and above, worked by power.		
Patent Circular, Double Blast.....	..	115/	132/	154/	176/	198/	230/	268/	300/	350/	400/	„	Price without weights.		

	16	18	20	22	24	inches.
Long Shape Portable Forge, Oblong Pan, Bellows underneath.....	90/	100/	125/	150/		each.
Circular Shape, Single Blast, Round " " "	92/	100/	116/	135/	158/	"
" " Oblong " " "		125/	138/	154/	176/	"
" Double Blast, " " "		160/	180/	206/	232/	"

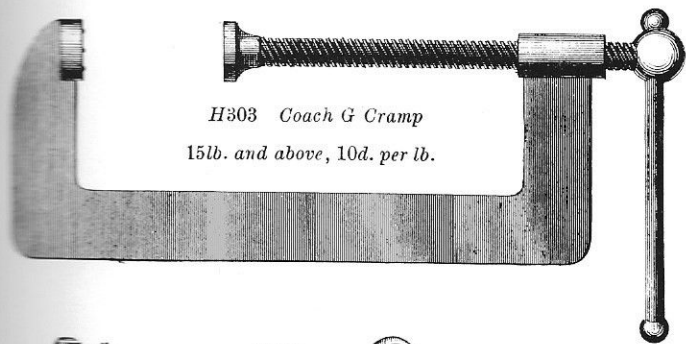
WATER TUE IRONS, from 12 to 18 inches. COMMON TUE IRONS, sold by weight.

Improved, with Solid Bicks and Ends, per cwt. Warranted, Best, Common, per cwt.
 „ with Two Bicks on Side Horns, 3/4 per cwt. extra. Anvils to special shapes, prices accordingly.

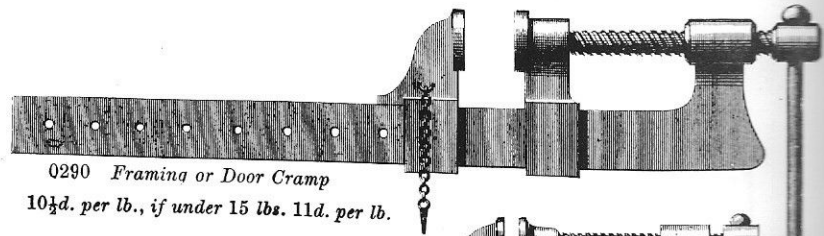
STAPLE VICES, (with Cotter Keys)		Black, at 4d. & 4½d.	Warranted, 4½d. & 5½d.	Wrought Solid Iron Box, 6d.	Solid Brass Box, 6½d. & 7d.
Boxes and Pins, 1/1 per lb.		Bright, at 4½d. & 5½d.	5½d. & 6d.	" " 6½d.	" " 7d.
Portable Vices on Stands, with Wheels and Pillars and Table attached, from	£4 11s. each.			Swage Blocks, 17/6 per cwt.	
Best Crow Bars, 28/ per cwt.	Splitting Wedges, in sets, for Wood or Stone, 36/ per cwt.				
Hand or Sledge Hammers, 38/ per cwt.	Warranted, 45/6 per cwt.		Best, 56/ per cwt.		
Smiths' Cold Sets, Solid Cast Steel, 1/ per lb,	Smiths' Tongs, Light, 7½d. ; Heavy, 6½d. per lb.				

MACHINE IRONS, CUTTERS, MACHINE AUGURS, &c., &c., to Specifications or Patterns.

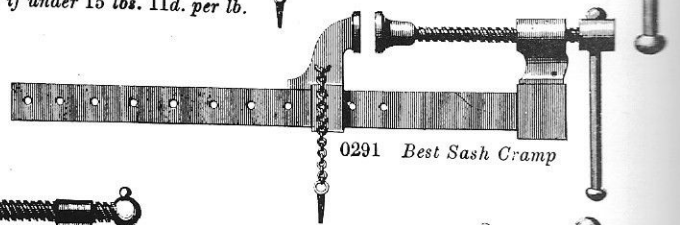
CRAMPS, &c.



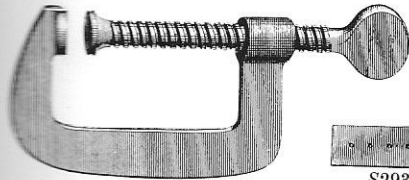
H303 Coach G Cramp
15lb. and above, 10d. per lb.



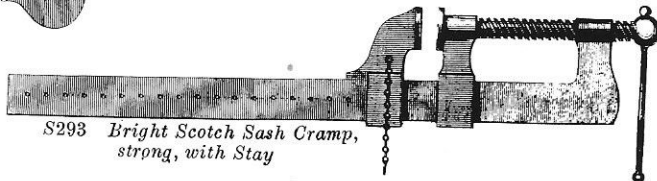
0290 Framing or Door Cramp
10½d. per lb., if under 15 lbs. 11d. per lb.



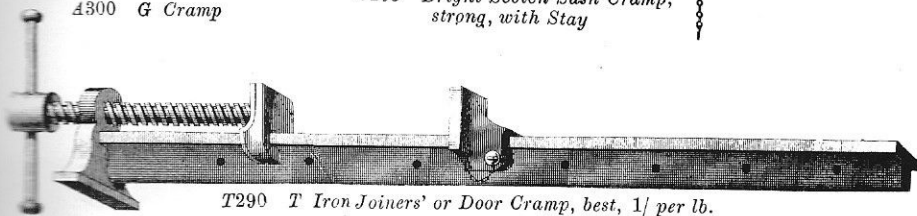
0291 Best Sash Cramp



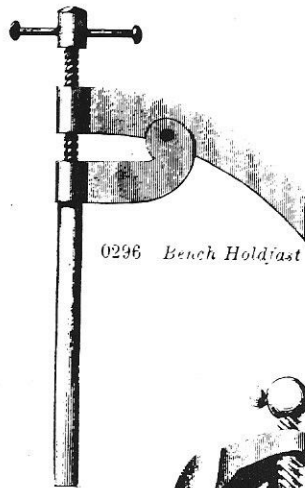
A300 G Cramp



S293 Bright Scotch Sash Cramp,
strong, with Stay



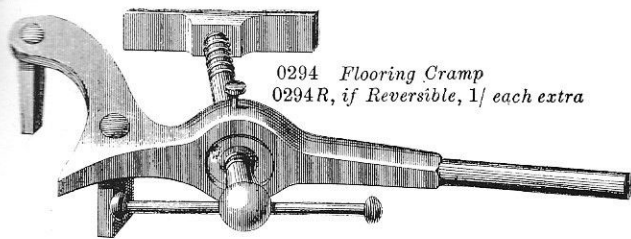
T290 T Iron Joiners' or Door Cramp, best, 1/ per lb.



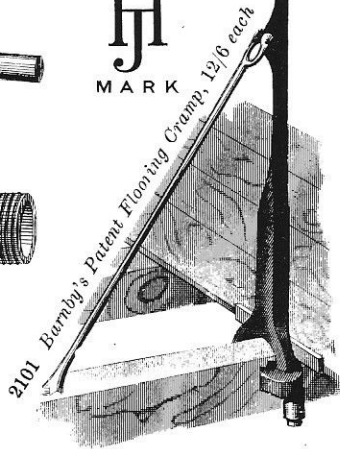
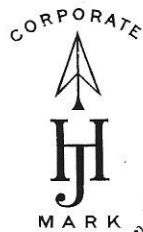
0296 Bench Holdfast



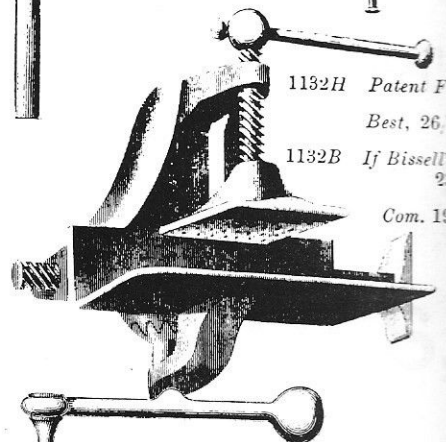
2102 Bright Ripping Screw



0294 Flooring Cramp
0294R, if Reversible, 1/ each extra



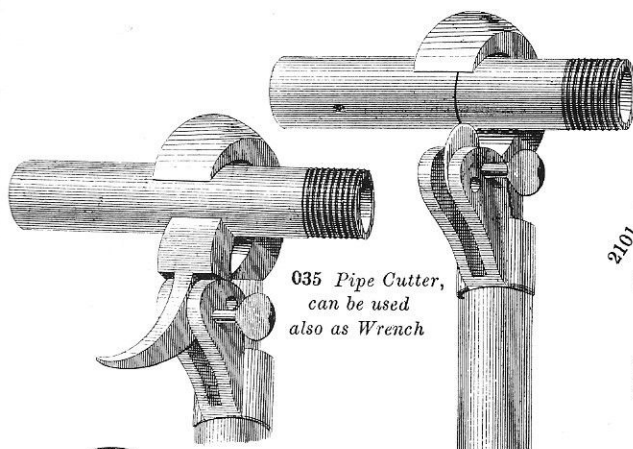
2101 Barnby's Patent Flooring Cramp, 12/6 each



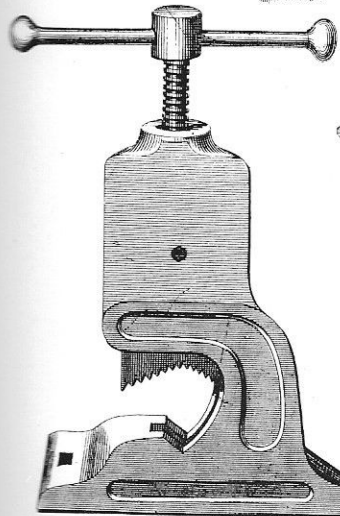
1132H Patent Floor Cramp
Best, 26/6 each

1132B If Bissell's, Best
23/3 each

Com. 19/3 each

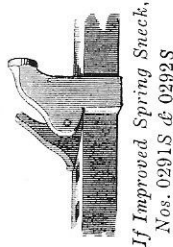


035 Pipe Cutter,
can be used
also as Wrench

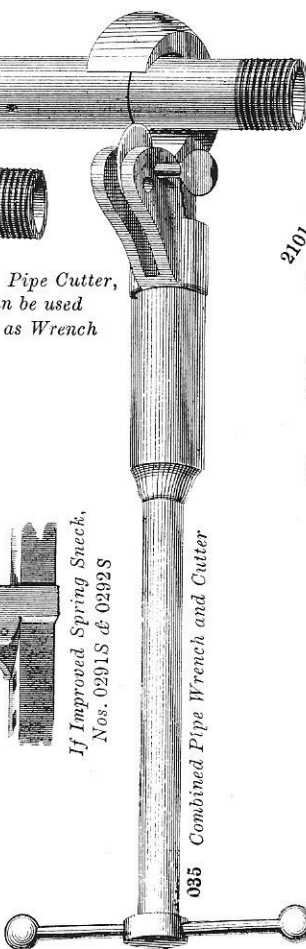


No. 22 ¼ to 1½ 1½ to 2 2 to 3 inch
Tube Vices 12/6. 18/ 27/ each

No. 21 with Circular Hole, same price



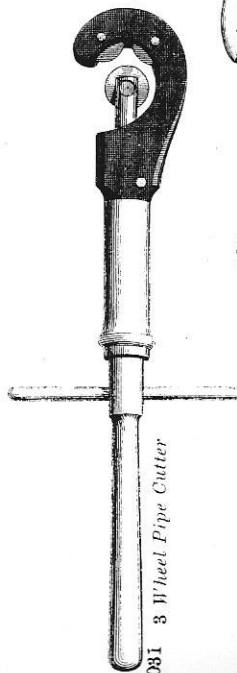
If Improved Spring Snick,
Nos. 0291S & 0292S



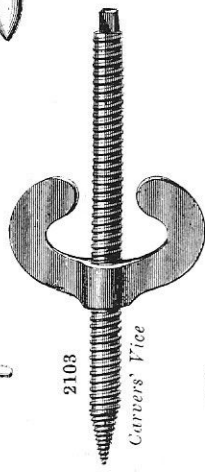
035 Combined Pipe Wrench and Cutter



030 Pipe Wrench



031 3 Wheel Pipe Cutter



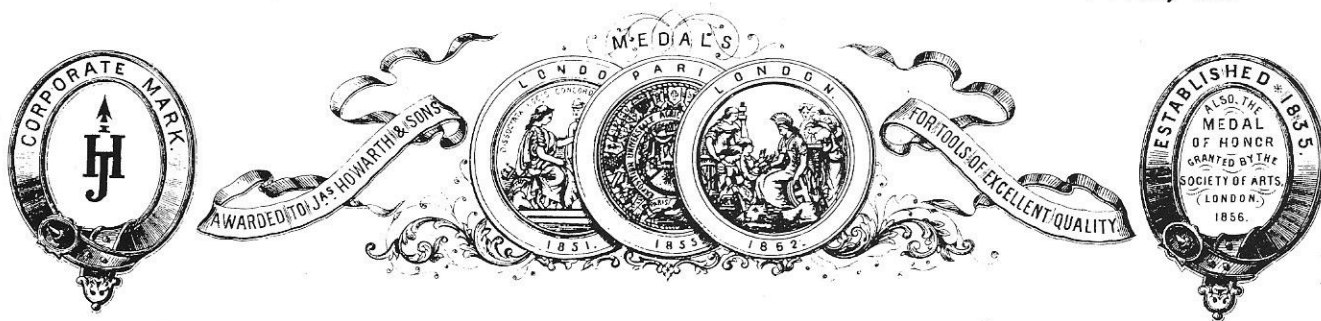
2103

Carvers' Vice



0313 Bright Bench Screw, Fast Collar
0314 Bench Screw, Loose Collar, Bright

TOOL LIST, 4th Edition (Section 3) GARDEN AND FARM TOOLS, &c.



The above Trade Mark granted and protected by the Cutlers' Company.

ESTABLISHED 1835.

JAMES HOWARTH & SONS,

BROOM SPRING TOOL, STEEL & FILE WORKS,

BATH-STREET BROOMHALL, & EYRE-STREET,

SHEFFIELD,

MANUFACTURERS OF

GARDEN AND FARM TOOLS,

MECHANICS' TOOLS, FILES, SAWS, SKATES, &c.

OF EVERY DESCRIPTION;

CAST STEEL REFINERS,

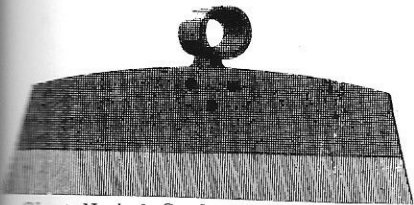
AND MANUFACTURERS OF

SHEAR AND BAR STEEL.

FIRST-CLASS PRIZE MEDALS AWARDED—

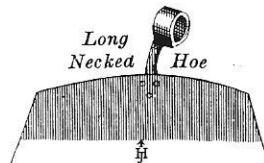
LONDON	1851.	{ SPECIAL MEDAL OF HONOUR	1856.
		{ SOCIETY OF ARTS	
PARIS	1855.	LONDON.....	1862.

ENTERED AT STATIONERS' HALL.

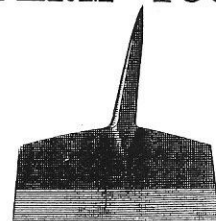


Short Necked Garden or Field Hoe

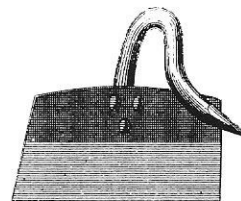
890 Rivetted 890½ C.S. Solid



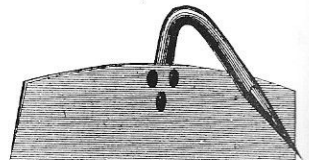
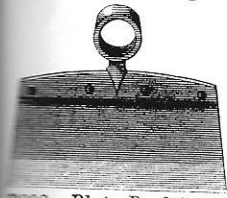
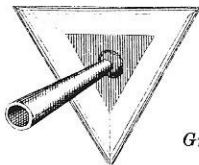
Long Necked Hoe

892 C.S. Rivetted
C.S. Solid 892½

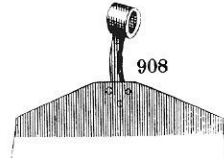
896 Solid Banbury Hoe



P902 Crane Necked Hoe

C.S. Patent Bright Bloomfield
903P898 Plate Back Hoe
Prices as B898

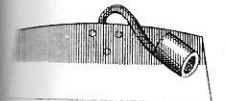
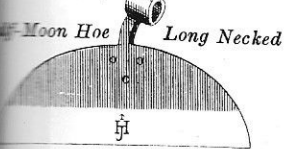
909 Triangular Hoe.



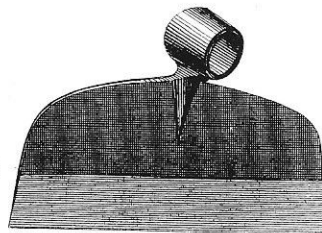
Grantham or Nottingham Hoe

Black Banbury
Hoe Ferrule

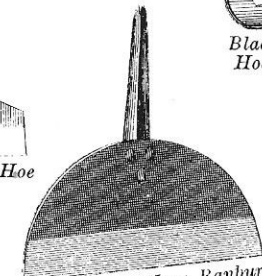
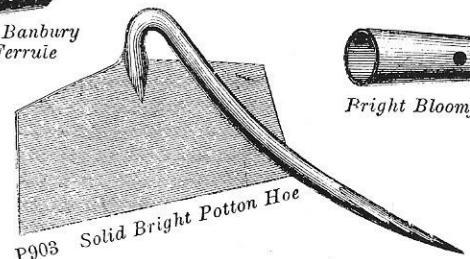
Bright Bloomfield Ferrule

Bean or Bury Necked
899 Rivetted
900 Solid

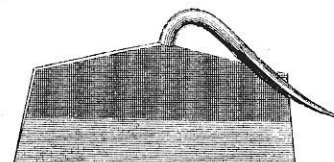
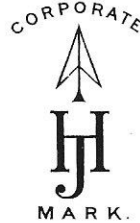
Moon Hoe Long Necked



B898 Solid Buckland Hoe

C.S. Patent ½-Moon Banbury
M895

P903 Solid Bright Potton Hoe



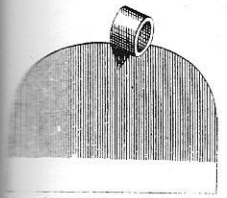
904 Solid Sherbourne Hoe



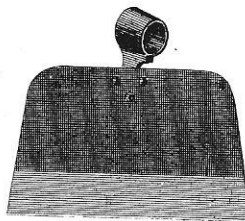
T918 Tanged Hoe Bows

918 If with Socket
Leicestershire Hoe Bows and Blades
Each Bow will take several sizes

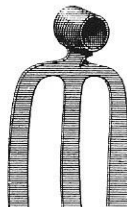
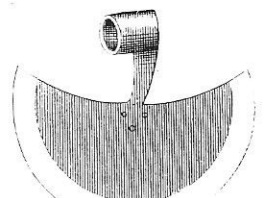
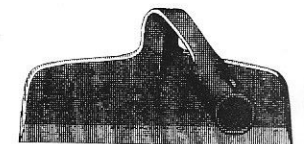
918B



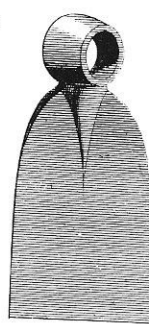
Solid Deep Potato Hoe



P917½ Bean Hoe

Canterbury
Hoe Prongs
or Opener
2 or 3 Prongs
2113916 10 inch
Tuft or Hassock Hoe2110 Bideford Hoe
Prices on application913
Dutch Hoe
Rivetted

C.S. Solid 912



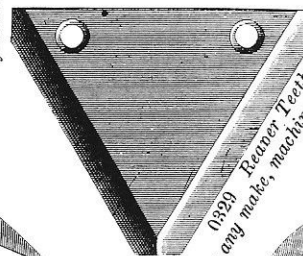
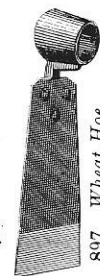
G917 Planters' Grubbing Hoe



F917 Somerset or Fussell's Hoe

for Wheat or Potato, Round Eye
if Axe Eyed, extra

2112 Reaper Rivet

0329 Reaper Teeth
or for any make, machined to order

897 Wheat Hoe



2107



2109



2107

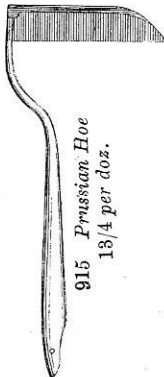
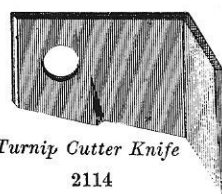
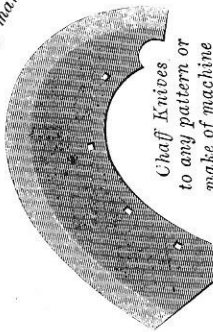
210 Improved Miners' Picks to order

Solid Eyed

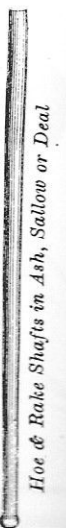
340 Pick with two Points



2111 Onion Hoe, Handled

915 Prussian Hoe
13¼ per doz.914 Vernon or
Tillage HoeTurnip Cutter Knife
2114Chaff Knives
to any pattern or
make of machine

2108



Hoe & Rake Shafts in Ash, Sallow or Deal

Foreign Planters' Hoes special quotations to Merchants' Indents.

NOTE.—All seasonal Tools, Skates, &c., we always early prepare large Stocks, but would beg respectfully to remind our friends and customers that there is generally more stock left on their hands from late than early purchases. The salesmen on early purchases have every opportunity to quit the goods, and in a run at the season goods cannot always be sent out to our or your satisfaction, even if possible to complete them at all.—J. H. & SONS.

GARDEN AND FARM TOOLS, &c.

42

925½ Bright Weed Hooks, 9/9

925 Black Weed Hooks, 6/

923 Long Bright Thistle Spud, 12/

920 Black Weeding Spuds, 4/3 per doz.

921H Handled Spud

919 Farmers' Ash Spud Shaft

927 Edinburgh University Spud

G924 Glasgow University Spuds

L943½ Ladies' Dibber, 15/ per doz.

G921 Gouge Spud, 6/

924½ Bright Strapped Spud

T942 Turnip Topper, 11/ H942 with Hook, 13/ per doz.

Eyed or Crutch & Shod Garden Dibber

Brass Garden Syringes in all sizes and kinds
Gardeners in Reid's, Haswell's & Cooper's Patents

939 C.S. Patent

940 G.S. Solid

B940 Best C.S. Solid 6/ doz. extra

947 Weed Fork

938 Lawn or Daisy Rake

936 Garden Rake

944 Weed Fork 944M 10/ per doz.

No. L927 Ladies' all Bright Trowel

Nos. 928 to 932 Garden Trowels

941 Garden Line Reel

943 Improved Daisy Drawer, 16/

935T Best Tanged Steel Fern Trowel, 10/8

935B Black, 8/

935C Common, 6/ per doz., with Sheaths extra

Used also for Transplanting, larger sizes at 13/6, 16/, 18/6
If with flat Scale Tang, same price as 934

934 Fern Trowel with Sheaths, 24/ per doz. Belts extra

S934 Best Socket Fern Trowel with Sheaths, 29/ per doz. Belts extra

Hedge Slashers 995 Double Edged 994 If Single Edged

993 Dunse Pattern 6 7 8 9 10 inch
Hedge Slashers 30/ 31/ 32/6 33/ 33/ per doz.

996 Tatton Sykes Slasher

993M Spear or Sheep Foot Melton Slasher

997 Strong Stubbing Slasher

960 Gent's Strapped Bill, 15 inch handle

956 Best Gent's Bill

Improved Pruning or Grecian Saw with Teeth reversed

Gent's Hammer and Claw Bill
958 33/; 959 Rose Handled, 42/ per doz.

C.S. Grass Plot Edging Knife

CORPORATE
HJ
MARK.

NOTE.—For the coming season we hope to prepare a large stock of Black and Bright Solid Steel Rakes, with Gainshired Tangs. The Teeth will be finished diamond or oval shaped, and for a cheaper article, the Square American-shaped Teeth. The handles will be sent hoopd and bored ready for driving on, or can be supplied without handles. We anticipate a large sale for these goods.—J. H. & SONS.

		00	0	1	2	3	4	5	6	Nos.	
		7	7½	8	8½	9	9½	10	10½	inches,	heel to point.
Black	Glasgow Bills....	21/0	21/0	21/0	23/0	25/0	28/6	30/0	32/0	per dozen.	966 All Bright, 4/0 per dozen extra.
"	Best Nottingham "	26/0	29/0	32/0	35/0	"	Banbury, Utttoxeter, Lincoln, or Leicester, same prices.
"	" Westmoreland,,	24/0	25/0	26/6	28/0	29/6	31/0	"	970 All Bright, 4/0 per dozen extra.
				10	10½	11	11½	12	inches.		{ Nottingham and Utttoxeter same price.
Bright Broad Lincoln Bills, Solid Sheet Steel....		30/0	31/0	33/0	36/0	39/0	per dozen.				{ Banbury and Westmoreland, 1/0 per dozen less.
		1	2	3	4	5	6	7	Nos.		
		8	8½	9	9½	10	10½	11	inches,	heel to point.	
Best Black Strapped Yorkshire Bills		36/0	37/6	38/6	40/0	42/6	44/6	46/6	per dozen.		
		1	2	3	4						
Socket Yorkshire Bills.....		28/6	31/0	34/0	37/0	per dozen.	Handled,	2/0	per dozen extra.		
		8	8½	9	9½	10	inches.				
Socket Kent Bills, Double Edged....		24/9	26/0	27/0	23/3	29/6	per dozen.	Handled,	2/0	extra.	

LOPPING BILLS. (Single Edged, Tanged and Handled.)											
	00	0	1	2	3	4	5	6	7	Nos.	
	7	7½	8	8½	9	9½	10	1	11	inches.	
Lopping Bills, Kent or Berkshire, Second Finish, Steeled in the centre or at the side..	18/0	19/0	19/6	21/0	21/9	22/9	24/0	25/3	26/6	per doz	
Best Finish	21/9	22/9	23/9	26/0							
Welsh or Chester Bills, Scorched	25/0	26/0	27/0	28/0	30/0	32/0	34/0	"	
Socket Kent or Berkshire Lopping Bills	20/0	21/0	22/0	23/0	24/6 doz.	Handld, 2/	extra		

	12	14	15	16	18	inches.	
For Brushing Briars,							
	Socket long and light.....	24/0	26/6	27/6	28/6	31/0	per dozen.
" " Strapped		22/0	23/0	24/0	25/0	27/0	"
Surveyor's Strapped Bills, 10 inches, 48/0 per dozen.							
	<u>0 1 2 3 4</u>						
Army and Pioneers' Bills....	24/0	26/0	27/0	28/6	30/0		per dozen.
Pea and Bean Hooks to order,							

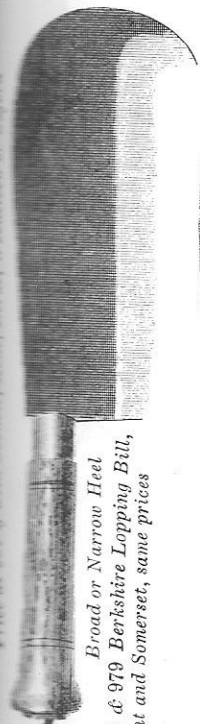
985 986	Common Stick Bills, Rough Finished.....	11/ per dozen.
	Pea and Bean Stick Bills, Blades 8 inch, Handles 10 inches,	2 ¹¹ / ₀ per dozen.
		<u>7½ 8 8½ 9 inches</u>
986 988	Best London Block, Tanged and Handled..	19/6 21/0 22/0 24/3 per dozen.
	" " " with Socket	21/0 22/9 23/9 26/0 "
		987 Rough Finished, 4/0 per dozen less. { 989 4/0 Handled, 2/0 per dozen extra.
975 977 978 992	Clitheroe Bills, 9 inches, Strapped, 32/0.	T975½ Tanged, 26/0 per dozen.
	Rutland " 9 inches, Tanged and Handled,	26/0 per dozen.
	Oundle " 9 inches, " 26/0	Straight or Curved Edges.
	Willow Hooks, Handled, Bright Solid Cast Steel,	24/0 per dozen.
	Tanged or Socket Norfolk, Suffolk, Bedford, and Offley Bills, Single Edged with Backs, to order.	

		No. 1	2	3		
F993	Devon Furze, or W993, Wreath Hooks...	24/	26/8	29/4 per doz.	L993 Long Devon Bramble Hooks, 2/8 per doz. extra	
R993	" " if Ribbed, extra.	D994	Devon Reap Hook, 34/8.	D995 Cranked Grass Hooks, 24/.	D996 Thatchers', 40/.	D997 Drafting, 28/ per doz.
		No. 1	2			
D998	Devon Socket Staff or Bramble Hooks ..	28/	30/8 per doz.			
B979	" Small Spear or Spar Bills, 7 inch, 11/4; 8 inch, 12/8 per doz.					
D917	" Potato or Grubbing Hoes, Round Eyes, 4 inch, 11/ per doz.					
D917	" " " " Axe Eyed, 4 inch, 12/			1	2	3
D999	" " " " Double-headed and Axe Eyed ..	34/	38/6	42/6 per doz.		

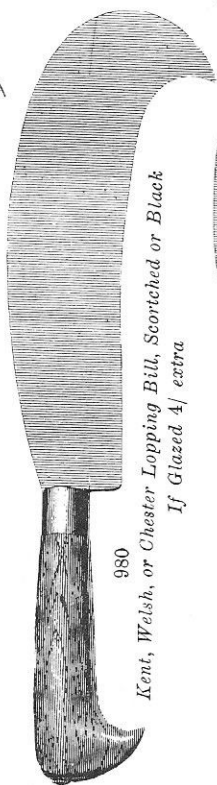
	Nos.	Sets of 3.						Sets of 4.				
		0000	000	00	0	1	2	3	3A	4		
No. 300 250	Ladies' Black Garden Tools, Handled.....	1/1	1/3	1/4	1/6	1/10	3/8	5/9	7/9	8/4	per set.	
	" Bright Blue " , " Polished Handles....	1/7	1/9	2/0	2/8	3/4	5/0	6/4	8/8	10/0	"	
31	Ladies' Garden Spades.. {Black, Plain Crutch, Handled	5/9	6/8	7/3	9/3	17/0	21/3	28/6	34/0	per dozen.		
	{Blue, Polished "	8/6	10/9	15/0	17/0	21/3	25/6	37/0	42/6	"		
32	" " Rakes .. {Black, Plain Handles	5/9	6/8	7/3	7/9	10/0	14/3	20/0	22/6	"		
	{Blue, Polished "	7/3	7/9	12/3	12/9	14/3	18/6	23/0	25/6	"		
		1	2	3	3A	4	5	6				
33	" " Hoes .. {Black, Plain Handles.....	11/6	15/8	20/0	21/6	30/0	34/0	per dozen.				
	{Blue, Polished "	14/3	18/6	23/0	25/6	34/0	38/6	"				
34	" " Forks .. {Black, Plain Handles.....	5/9	8/9	13/0	21/6	30/0	38/6	42/6	"			
	{Blue, Polished "	13/0	14/3	18/6	28/6	34/0	47/0	51/6	"			

	Sets of 3.					Sets of 4.			Sets of 5.							
	4/0	3/0	2/0	0	1	1A	1B	2	2B	3	3B	3A	3C	4		
620 Ladies' Blued Garden Tools, in sets, Polished Handles,	1/7	1/9	2/	2/8	3/4	3/11	4/4	5/	5/8	6/4	7/	8/8	9/4	10/ per set		
" " Spades only, "	1/2	1/4	1/4	1/4	1/8	1/8	2/	2/	2/11	2/11	3/4 each.					
" " Rakes "	/11	1/	1/	1/	1/1	1/1	1/5	1/5	1/9	1/9	2/					
" " Forks "				1/	1/	1/	1/1	1/1	1/5	1/5	2/8	2/8	2/8	"		
" " Hoes "						1/	1/1	1/1	1/5	1/5	1/8	1/8	2/	"		

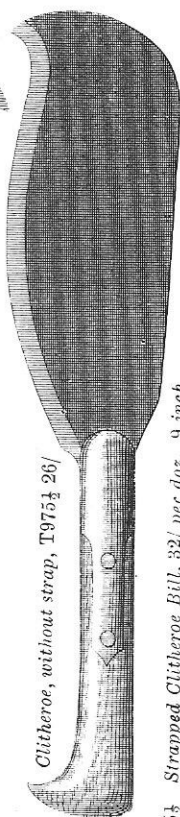
Price as only if with Socket, Kent, Litch, Woodstock or Oxford



Broad or Narrow Heel
978 & 979 Berkshire Lopping Bill,
Kent and Somerset, same prices

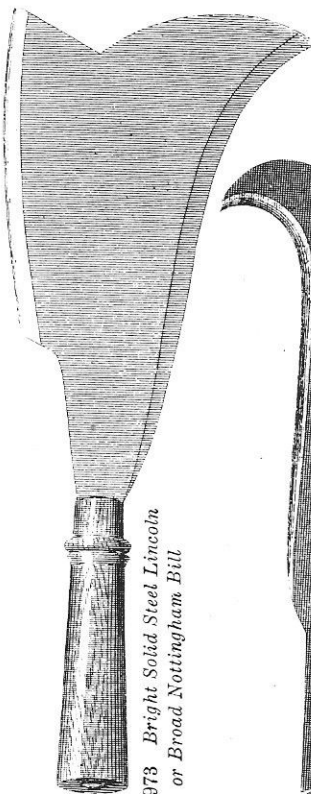


980
Kent, Welsh, or Chester Lopping Bill, Scorched or Black
If Glazed 4/ extra

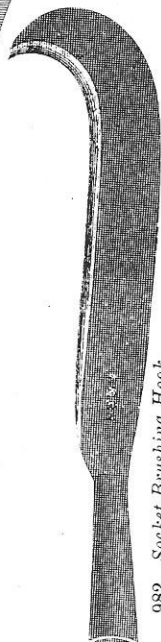


Clitheroe, without strap, T975 1/2 26/

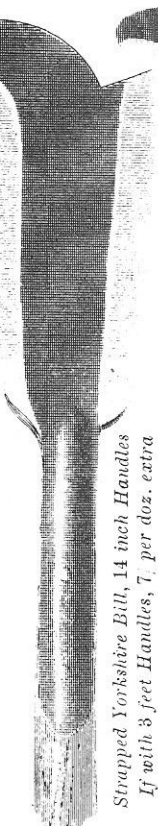
975 1/2 Strapped Clitheroe Bill, 32/ per doz., 9 inch



973 Bright Solid Steel Lincoln
or Broad Nottingham Bill



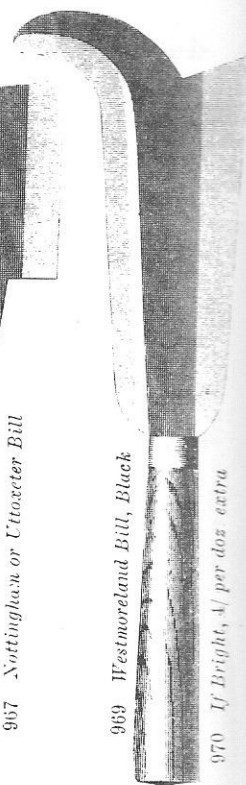
982 Socket Brushing Hook



974 Strapped Yorkshire Bill, 14 inch Handles
If with 3 feet Handles, 7/ per doz. extra

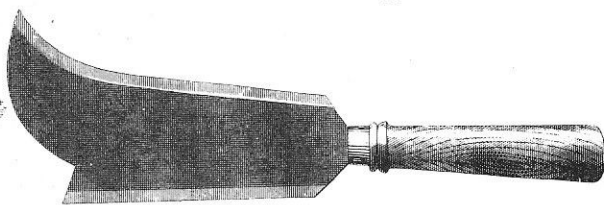


967 Nottingham or Uttoreter Bill

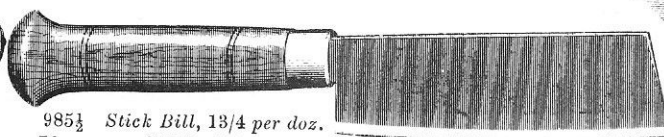


969 Westmoreland Bill, Black

970 If Bright, 4/ per doz extra

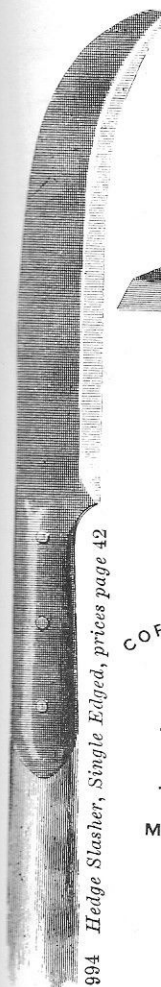


965 Glasgow Bill, Black
966 If Bright

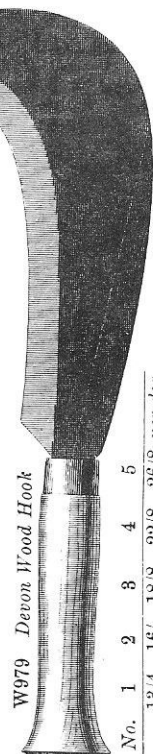
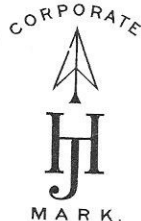


985 1/2 Stick Bill, 13/4 per doz.
If common, C985 1/2, 11/2 per doz.
2115 Household Chip Splitters

1	2	3
7/	8/	9/3 per doz

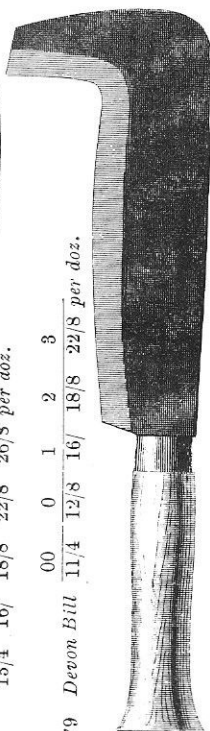


994 Hedge Slasher, Single Edged, prices page 42

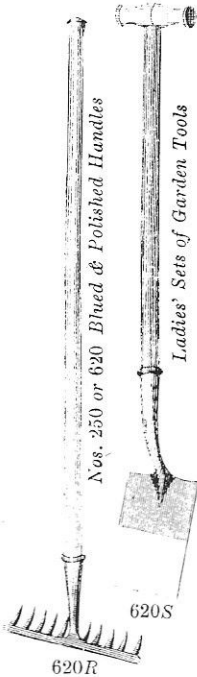


W979 Devon Wood Hook

No.	1	2	3	4	5
	13/4	16/	18/8	22/8	26/8 per doz.



B979 Devon Bill 11/4 12/8 16/ 18/8 22/8 per doz.



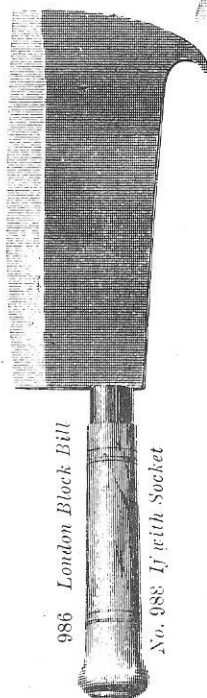
Nos. 250 or 620 Blued & Polished Handles

Ladies' Sets of Garden Tools

Sets, Black, No. 300

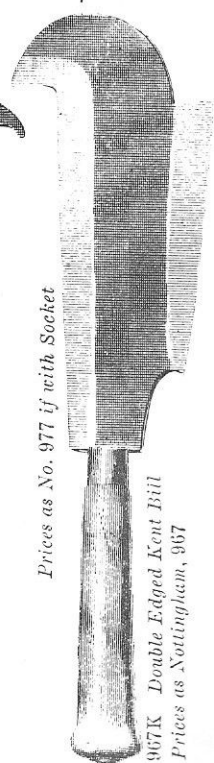


620F



986 London Block Bill

No. 988 If with Socket



967K Double Edged Kent Bill

Prices as Nottingham, 967



W998 Whitby Slasher or Sickle Bill, 48/ per doz.

Note.—Early ordering of these seasonal goods is important to prevent disappointment.

SHEEP OR WOOL SHEARS, &c.

SHEEP SHEARS. (Clipping.)

Common Ground.				Glazed.				Glazed Swaged					Bright or Black.				Bright or Black Swaged.												
Size of Blades	5	5½	6	5	5½	6	6½	7	5	5½	6	6½	7	5	5½	6	6½	5½	6	6½ inches.									
No. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20										
Price 15/0 16/0 17/0 16/0 17/0 18/0 20/0 22/0 17/0 18/0 19/0 21/0 23/0 18/0 19/0 20/0 22/0 20/0 21/0 23/0 per doz.																													
C.S. Bright or Black, Black Bows.										C.S. Bright or Black, Swaged, Black Bows.										Bright or Black, Black Bows.									
Size of Blades	5½	6	6½						5½	6	6½				7½	7½ inches.													
No. 21	22	23						24	25	26				29	29½														
Price 21/0 22/0 24/0								22/0 23/0 25/0						26/0 28/0 per dozen.															

NOTE.—All Shears above, 23/0 per dozen. Black or Bright, same price.

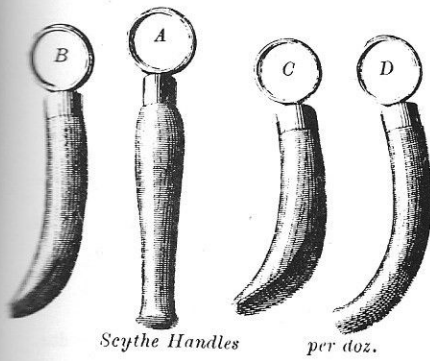
EXTRAS.—Any of above Patterns Bent, 0/6; Patent Spring, 6/0; Solid Necks, 4/0 extra.

EXTRAS.—Any of above Patterns Bent, 0/6; Patent Spring, 6/0; Solid Necks, 4/0 extra.									
Nos.	12B	Bent Glazed Swaged Clipping Shears	6½ inches, 21/6	per doz.	No. 11B, 6 in., 19/6	No. 10B, 5½ inch, 18/6	per doz.		
	20B	" Bright Devonshire Clipping Shears	6½ "	23/6	No. 19B, 6 in., 21/6	No. 18B, 5½ inch, 20/6	"		
	30B	" Swaged Devon Black Bow, 6 inch, 29/6.	31B Whale Edge Ground Bow, 30/6.	32B Glazed Bow, 31/6.					
	27	Black Stafford or Ashbourne Clipping Shears	7 inches, 24/0	per doz.	27B If Bent for Grass, 24/0.	Trowel Shanks, 7 in. 36/0.			
	28	Bright or Black Dorset	" " Black Steel Bows ... To 7½ "	26/0					
	30	" Swaged	" "						

PATENT SHEEP SHEARS, (with C.S. Patent, Spring in Bow.)

	Glazed.			Bright.			Glazed Swaged.			Bright Swaged.			Black.	Black or Bright.		
Size of Blades ..	5½	6	6½	5½	6	6½	5½	6	6½	5½	6	6½	7½	7½ 7½ inches.		
No.	100	101	102	103	104	105	106	107	108	109	110	111	112	113	113½	
Price	23/	24/	26/	25/	26/	28/	24/	25/	27/	26/	27/	29/	30/	32/	34/ per doz.	
Bright or Black, with Patent Spring, Black Bow, Swaged Blades to 7½ inch.. 34/																
„ Whale „ Edge „	„			Ground			„	„	.....	to 7½ inch.. 36/			114½	7½ inch, 36/ per doz.	
„ „ „ „ „	„			Glazed Bow			„	„	.....	to 7½ inch.. 38/			115½	7½ inch, 38/ „	
„ „ „ „ „	„			Leicester or Tomlins, Bright Bows..			to 7½ inch.. 39/			If Black Bow, No. 33P, 36/ per dozen.						
Swaged Polished Blades, Glazed Bows, Whale Edged..... to 7½ inch.. 52/ per doz. Etched Blades, 1/0 per doz. extra.																

SHEEP & GRASS SHEARS, &c.



Scythe Handles per doz.



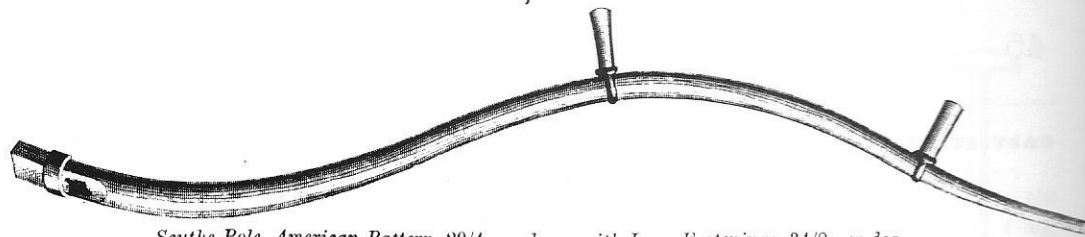
Scythe Stones, Square or Round



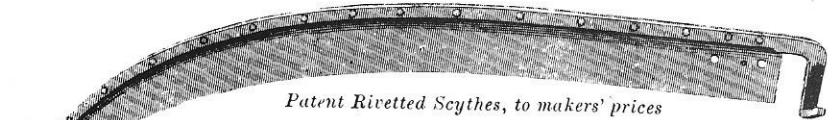
Indian Pand Scythe Stone



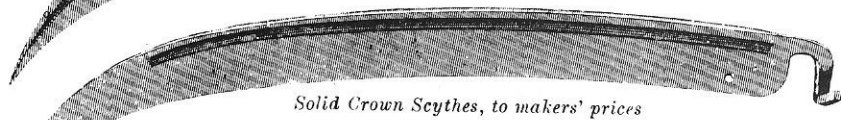
Emery Strickle



Scythe Pole, American Pattern, 29/4 per doz.; with Loop Fastenings, 34/8 per doz.



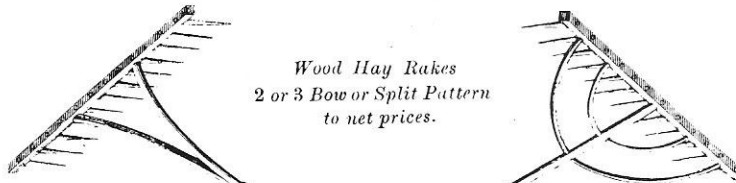
Patent Rivetted Scythes, to makers' prices



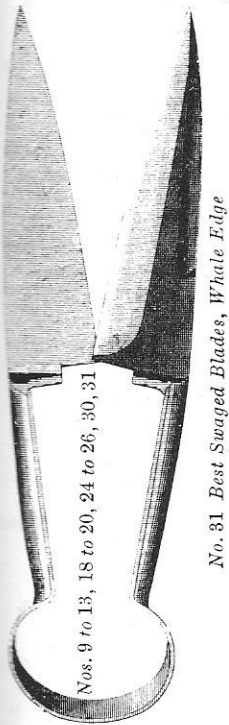
Solid Crown Scythes, to makers' prices



The Lightning or Improved Hay Knife, 9/4 each

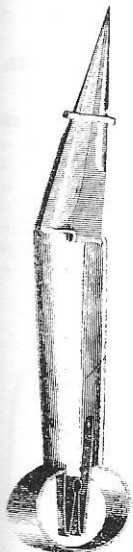
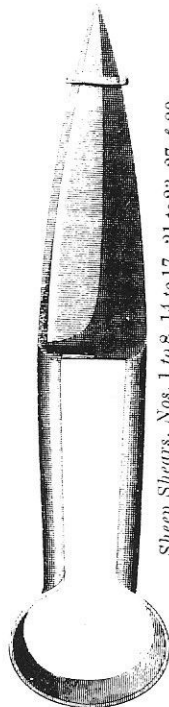
Wood Hay Rakes
2 or 3 Bow or Split Pattern
to net prices.

Any Pattern, bent, 6d.; Trowel bent, 6/ doz. extra

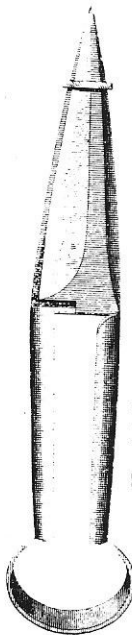


No. 31 Best Swaged Blades, Whale Edge

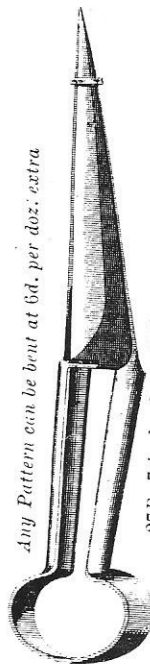
Nos. 9 to 13, 18 to 20, 24 to 26, 30, 31

Bent American Short Blade, Patent Spring, Nos. 36 to 46
If without Spring, Devon Bent
If Trowel Bent, 6/ per doz. extra

Sheep Shears, Nos. 1 to 8, 14 to 17, 21 to 23, 27 & 29

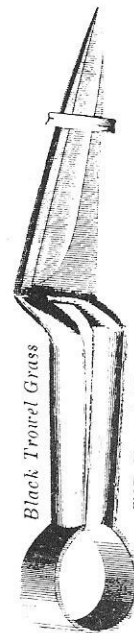


Nos. 33, 34 Leicester or Tomlin Pattern

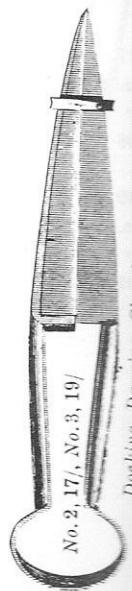


Any Pattern can be bent at 6d. per doz. extra

27B, 7 inch, Grass Shears, 24/ per doz.



Black Trowel Grass

T27 Trowel Shank Shears, strong, 7 inch, 30/ per doz.
Also Nos. 47 to 62 Best Trowel Clipping

No. 2, 17/ No. 3, 19/

Docking, Dunging, Clapping, or Belting Shears,

Patent Spring
Swage Blades

Horse Shear, Setaor Pointa

NOTE.—Sheep Shears to this list are steeled with Best Double Shear Steel, and will clip Wool or Hair MUCH BETTER than Shears made of Cast Steel. Solid Cast Steel Shears are easier made under several New Patents than the Welded ones, but practical experience proves them not so good as the old kind. The same remark applies to Hairdressers' Scissors and high-class Table Knives, Carvers, Butchers', Shoe, and Oilcloth Knives. These are all far superior made from good Double Shear Steel.—J. H. & SONS.

CAST STEEL BLACK DIGGING FORKS.

801	3 PRONGS.
No. 1	7 in. × 12 inch .. 36/ per doz.
" 2	7½ " 12½ " .. 40/ "
802	4 PRONGS.
No. 1	7 in. × 11½ inch .. 42/ per doz.
" 2	7½ " 12½ " .. 46/ "
" 3	8 " 13 " .. 50/ "
803	5 PRONGS.
No. 3	9 in. × 13½ inch .. 60/ per doz.

EXTRA BEST CAST STEEL DIGGING FORKS.

Bright Points.

816	3 PRONGS.
No. 1	7 in. × 12 inch .. 46/ per doz.
" 2	7½ " 12½ " .. 50/ "
818	Do. do. All Bright, 16/ extra to No. 816.
819	4 PRONGS.
No. 1	7 in. × 11½ inch .. 52/ per doz.
" 2	7½ " 12½ " .. 56/ "
" 3	8½ " 13 " .. 60/ "
821	Do. do. All Bright, 18/ extra to No. 819.
822	5 PRONGS.
No. 3	9 in. × 13½ inch .. 70/ per doz.
824	Do. do. All Bright, 20/ extra to No. 822.

EXTRA BEST CAST STEEL SPEAR POINT POTATO FORKS.**CAST STEEL BLACK SPEAR POINT POTATO FORKS.**

921	3 PRONGS.
No. 1	6½ in. × 11 inch .. 52/ per doz.
" 2	7 " 11½ " .. 56/ "
922	4 PRONGS.
No. 1	7 in. × 11 inch .. 60/ per doz.
" 2	7½ " 11½ " .. 64/ "
BRIGHT and BLUE.	
927	3 PRONGS.
No. 1	6½ in. × 11 inch .. 64/ per doz.
" 2	7 " 11½ " .. 68/ "
928	Do. do. All Bright, 8/ extra to No. 927.
930	4 PRONGS.
No. 1	7 in. × 11 inch .. 72/ per doz.
" 2	7½ " 11½ " .. 76/ "
931	Do. do. All Bright, 10/ extra to No. 930.

CAST STEEL BLACK TANGED SPEAR POINT POTATO FORKS.

941	3 PRONGS.
No. 1	6½ in. × 11 inch .. 46/ per doz.
" 2	7 " 11½ " .. 50/ "
942	4 PRONGS.
No. 1	7 in. × 11 inch .. 54/ per doz.
" 2	7½ " 11½ " .. 58/ "

EXTRA BEST CAST STEEL TANGED SPEAR POINT POTATO FORKS.

947	3 PRONGS.
BRIGHT and BLUE.	
No. 1	6½ in. × 11 inch .. 58/ per doz.
" 2	7 " 11½ " .. 62/ "
948	Do. do. All Bright, 8/ extra to No. 947.
950	4 PRONGS.
No. 1	6½ in. × 11 inch .. 66/ per doz.
" 2	7 " 11½ " .. 70/ "
951	Do. do. All Bright, 10/ extra to No. 950.

EXTRA BEST CAST STEEL SQUARE BORDER FORKS.

Bright Points.

966	3 PRONGS.
No. 1	4 in. × 6½ inch .. 30/ per doz.
" 2	4½ " 8 " .. 32/ "
967	Bright and Blue, 4/ extra to 966
968	All Bright, 8/ extra to 966
969	4 PRONGS.
No. 1	5 in. × 7½ inch .. 40/ per doz.
" 2	6 " 9 " .. 42/ "
" 3	6½ " 10 " .. 44/ "
970	Do. do. Bright and Blue, 4/ extra to 969.
971	All Bright, 8/ extra to 969

EXTRA BEST CAST STEEL TANGED SQUARE BORDER FORKS.

Bright Points.

1006	3 PRONGS.
No. 1	4 in. × 6½ inch .. 24/ per doz.
" 2	4½ " 8 " .. 26/ "
1007	Do. do. Bright and Blue, 4/ extra to 1006.
1008	Do. do. All Bright, 8/ extra to 1006.
1009	4 PRONGS.
No. 1	5 in. × 7½ inch .. 34/ per doz.
" 2	6 " 9 " .. 36/ "
" 3	6½ " 10 " .. 38/ "
1010	Do. do. Bright and Blue, 4/ extra to 1009.
1011	All Bright, 8/ extra to 1009.

CAST STEEL BLACK MANURE FORKS.

1041	3 PRONGS.
No. 1	7½ in. × 12 inch .. 36/ per doz.
" 2	8½ " 12½ " .. 40/ "
1042	4 PRONGS.
No. 1	7½ in. × 11½ inch.. 42/ per doz.
" 2	8½ " 12½ " .. 46/ "
" 3	9½ " 13 " .. 50/ "
1043	5 PRONGS.
No. 3	10 in. × 13½ inch.. 60/ per doz

EXTRA BEST CAST STEEL SQUARE MANURE FORKS.

Bright Points.

1056	3 PRONGS.
No. 1	7½ in. × 12 inch .. 46/ per doz.
" 2	8½ " 12½ " .. 50/ "
1059	4 PRONGS.
No. 2	8½ in. × 12½ inch.. 56/ per doz.
" 3	9½ " 13 " .. 60/ "
1062	5 PRONGS.
No. 3	10 in. × 13½ inch.. 70/ "

EXTRA BEST CAST STEEL OVAL MANURE FORKS.**BRIGHT and BLUE.**

1117	3 PRONGS.
No. 1	7½ in. × 12 inch .. 52/ per doz.
" 2	8½ " 12½ " .. 56/ "
1120	4 PRONGS.
No. 2	8½ in. × 12½ inch.. 64/ per doz.
" 3	9½ " 13 " .. 68/ "
1123	5 PRONGS.
No. 3	10 in. × 13½ inch.. 82/ per doz.
1216	6 PRONGS.
No. 3	11 in × 14 inch .. 120/ per doz.

EXTRA BEST CAST STEEL LIGHT OVAL MANURE FORKS. ALL BRIGHT.

1131	3 PRONGS.
No. 1	7½ in. × 12 inch .. 56/ per doz.
" 2	8½ " 12½ " .. 60/ "
1132	4 PRONGS.
No. 2	8½ in. × 12½ inch.. 68/ per doz.
" 3	9½ " 13 " .. 72/ "
1133	5 PRONGS.
No. 3	10 in. × 13½ inch.. 86/ "

EXTRA BEST C.S. TANGED OVAL MANURE FORKS.**BRIGHT and BLUE.**

1207	3 PRONGS.
No. 1	7½ in. × 12 inch .. 46/ per doz.
" 2	8½ " 12½ " .. 50/ "
1210	4 PRONGS.
No. 2	8½ in. × 12½ inch.. 56/ per doz.
" 3	9½ " 13 " .. 60/ "
1213	5 PRONGS.
No. 3	10 in. × 13½ inch.. 74/ per doz.
1214	Do. do. All Bright. 12/ more than pattern 1213
1216	6 PRONGS.
No. 3	11 in. × 14 inch.. 110/ per doz.

SOLID CAST STEEL BLACK ROUND GLASGOW GRIPES.

1234	4 PRONGS.
	9½ in. × 15½ inch.. 74/ per doz.
1236	All Bright 14/ extra.

SOLID CAST STEEL BLACK SQUARE FORFAR FORKS.

1241	3 PRONGS.
	9 in. × 13 inch .. 48/ per doz.
1244	4 PRONGS.
	10½ in. × 13½ inch.. 60/ per doz.
1247	5 PRONGS.
	12 in. × 14½ inch.. 80/ per doz.

POTATO GRATES.

1301	With Steel Bar across. T Handles.
No. 1	10 in. × 13 inch .. 80/ per doz.
" 2	10 " 15 " .. 86/ "

BEST SOLID CAST STEEL COAL FORKS.

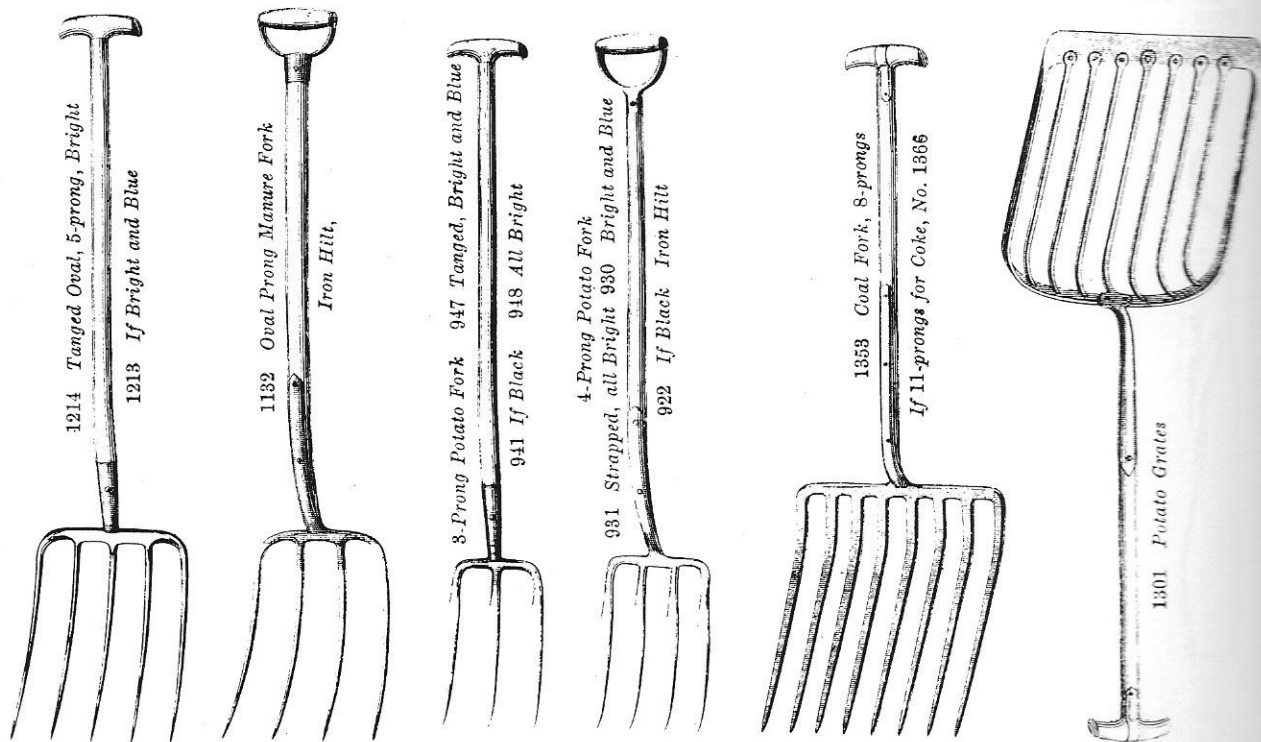
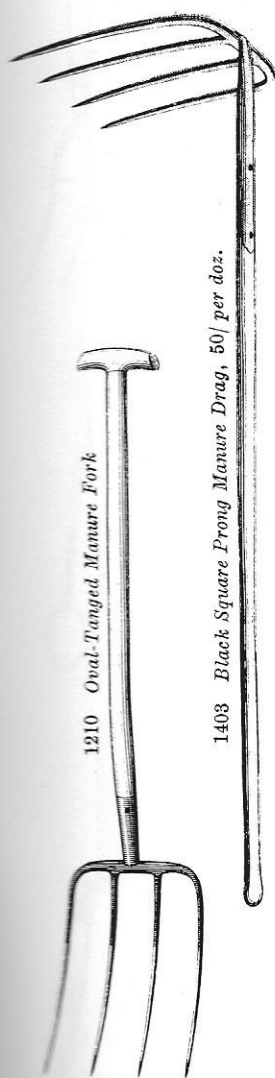
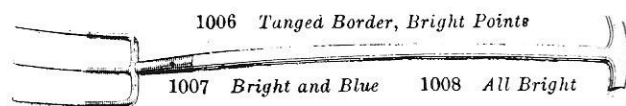
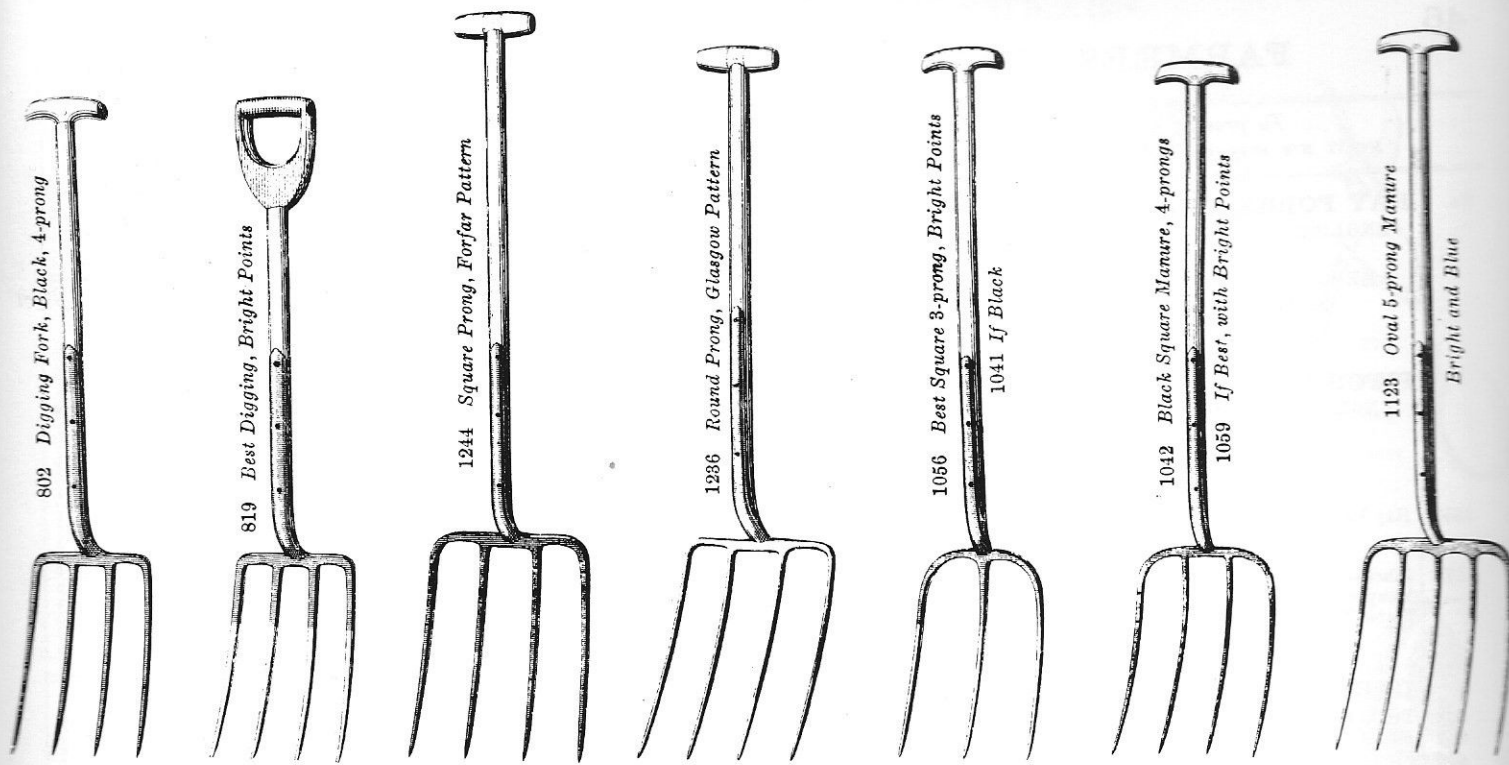
1353	8 Prongs 11/6 each
1354	9 " 13/ "
1355	10 " 14/6 "
1356	11 " 16/ "
1357	12 " 18/ "

BEST SOLID CAST STEEL COKE FORKS.

1364	9 Prongs 14/ each
1365	10 " 15/6 "
1366	11 " 17/ "
1367	12 " 19/ "
1368	13 " 22/ "
1369	14 " 25/ "
1370	15 " 30/ "
1371	16 " 35/ "

DIGGING, MANURE & POTATO FORKS.

4



FARMERS' TOOLS, FORKS, & GARDEN SHEARS.

To prevent disappointment, early ordering of all seasonable Goods is strongly advised; although well assorted stocks are prepared early, late supplies are always uncertain.—J. H. & SONS.

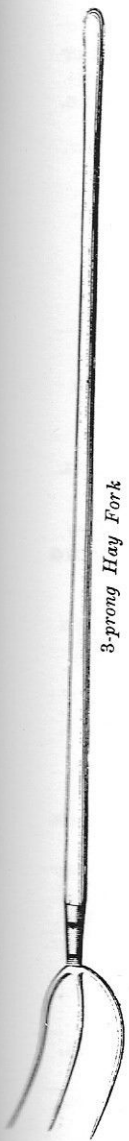
HAY FORKS, OVAL, TWO PRONG.—Cast Steel Bright Elastic.														
ENGLISH.		Nos.	0-4ft.	1-4ft.	1-4ft.	1-5ft.	2-4½ft.	2-5ft.	3-4½ft.	3-5ft.				
			27/	30/	30/	32/	33/	35/	36/	38/	per dozen.			
AMERICAN.		Nos.	0	1	2	3	4	5						
	Shafts 4 and 4½ feet	.....	26/	30/	34/	36/	40/	45/	per dozen.					
	" 5 " 5½ "	.....	28/	32/	36/	38/	42/	48/	" }					
	" 6 to 7 "	.....	30/	34/	38/	40/	45/	50/	" }					
PITCHING FORKS. (Nos. 0 and 1 for Corn—Nos. 2 and 3 for Hay).														
ENGLISH.		Nos.	0-6ft.	0-7ft.	1-6ft.	1-7ft.	2-6ft.	2-7ft.	3-6ft.	3-7ft.				
			34/	39/	36/	42/	39/	45/	42/	48/	per dozen.			
1557	Hay Pitching Forks, large size, 14 inch Prongs	.....			6	6½	7	7½	8	feet Shafts				
					44/	46/	48/	50/	52/	per dozen				
1675	Lincoln Pattern Hay Forks, Open Sockets, 12 in. Prongs	.....			4½	5	5½	6	6½	7	7½	8	feet Shafts	
	Strapped Hay and Pitching Forks, 6/ per dozen extra to ordinary Hay Forks.				42/	43/	45/	47/	per dozen					
	Stable Forks, with Blunt Ends, same prices as Hay Forks.													
GARDEN SHEARS. Yellow Handles, Bright Hoops.														
055	Bright Garden Shears	.....	3/2	3/3	3/6	4/	4/6	4/9	5/	5/6	6/3	7/3	8/9	inches.
057	Bright " " with Pruning Notch	.....	3/8	3/9	4/	4/6	5/	5/3	5/6	6/	6/9	7/9	9/3	per pair.
056	Strong " " Warranted Polished Handles	.....	4/9	5/	5/3	5/6	5/9	6/	6/6	6/9	7/3	8/3	9/3	"
058	Strong " " " " with Pruning Notch	.....	5/3	5/6	5/9	6/	6/3	6/6	7/	7/3	7/9	8/9	9/9	"
059	Ladies' Garden Shears, Polished Handles, Brass Hoops	....	1st		2nd		3rd size.							
060	" " " " " " " " " " " "	....	3/6		3/6		3/6 per pair.							
	" " " " " " " " " " " "	....	5/		5/9		"							
061	Grass Border Shears, Long Yellow Handles	....	8	8½	9	9½	10	10½	11	11½	12	12½	inches.	
063	Lawn Grass " " " " " " " " " " " "	....	5/	5/6	6/	6/6	7/	7/6	8/	8/9	9/6	per pair.		
			1st		2nd		3rd		4th size.					
065	Branch Lopping Shears, Long Yellow Handles	.....	6/		7/8		8/		9/ per pair.					
066	Black Slide Pruning " " " " " " " " " " " "	.....	5/6		6/6		9/		11/ "					
067	Bright " " " " " " " " " " " "	.....	7/		9/		11/6		14/ "					
			6		7		8		9		10			
068	Black Hand Slide Pruning Shears	.....			3/6		4/6		5/		5/9 per pair.			
069	Bright " " " " " " " " " " " "	.....			4/9		5/6		6/3		7/6 "			
070	Bright Bow " " " " " " " " " " " "	.....	5/6		6/3		7/6		"					
071	Ladies' Bright Slide Pruning Shears, Cocoa Handles	....	6/6 per pair.				071½		Ivory Handles		7/6 per pair.			
FRENCH PRUNING SHEARS.														
088	French Pruning Shears, Black	.....	6		6½		7		7½		8		8½	
F073	" " " " " " " " " " " "	.....			37/4		38/6		40/6		50/		59/4	
074	" " " " " " " " " " " "	.....			51/				57/		60/		"	
0741	" " " " " " " " " " " "	.....			60/				69/		75/		"	
089	" " " " " " " " " " " "	.....			Ladies Bright Polished, small, 28/;		if larger, 085, 32/		per dozen.					

For Spring Grass Shears see page 33.

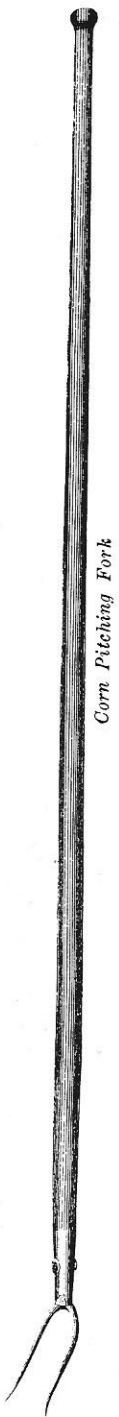
Gardeners' Pruning and Budding Knives, and Pruning, Vine, and Flower Scissors, to net prices.

HAY FORKS & GARDEN SHEARS.

46



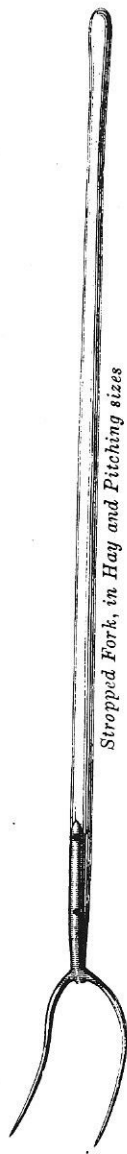
3-prong Hay Fork



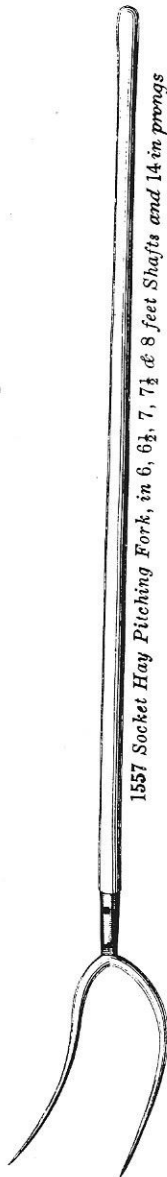
Corn Pitching Fork



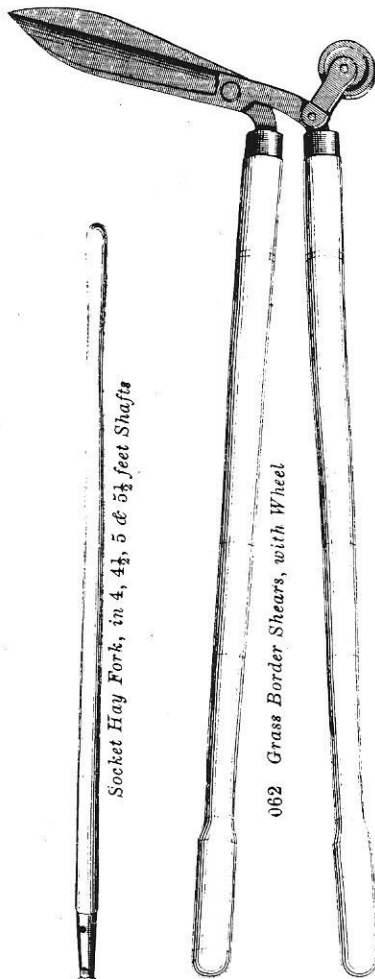
1675 Lincoln Pattern Open Socket Hay Fork



Stropped Fork, in Hay and Pitching sizes



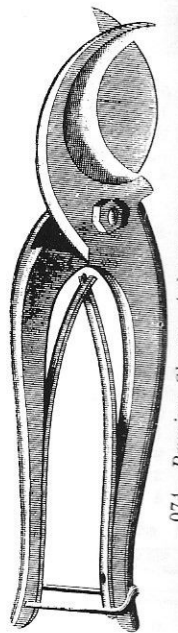
1557 Socket Hay Pitching Fork, in 6, 6 1/2, 7, 7 1/2 & 8 feet Shafts and 14 in prongs



062 Grass Border Shears, with Wheel



070
Bow
Slide
Pruners



074 Pruning Shears, Aubert's Pattern



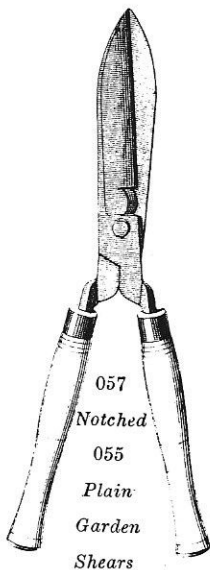
Vine Scissors



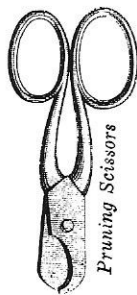
059
Ladies'
Garden
Shears



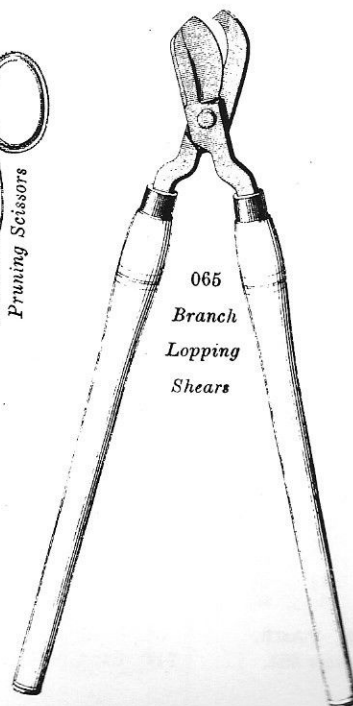
Flower Gatherers



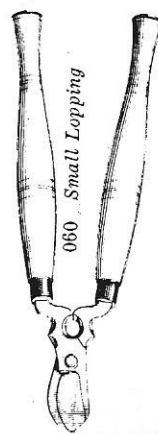
057
Notched
055
Plain
Garden
Shears



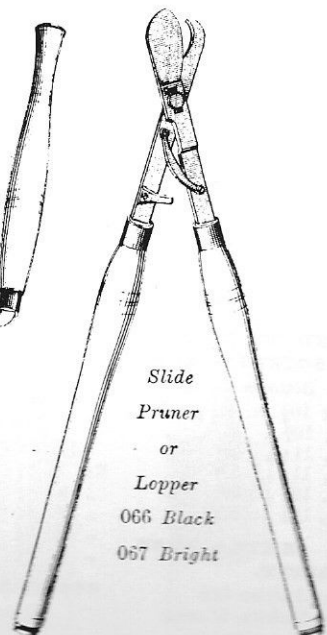
Pruning Scissors



065
Branch
Lopping
Shears



060 Small Lopping



Slide
Pruner
or
Lopper
066 Black
067 Bright



Hand Slide Pruning Shears, 068 Black, 069 Bright



NOTE.—Pruning and Budding Knives, and Pruning, Vine and Flower Gathering Scissors sold to Net Prices.—J. H. & SONS.

601 LONDON SPADES.			
D Handles.			
No. 000	5½ in. × 10 in.	27/	per doz.
" 00	6 " 10½ "	28/	"
" 0	6½ " 11 "	29/	"
" 1	7 " 11½ "	30/	"
" 2	7½ " 12 "	32/	"
" 3	8 " 12½ "	34/	"
" 4	8½ " 13 "	36/	"

603 GARDEN SPADES.			
No. 000	5½ in. × 10 in.	27/	per doz.
" 00	6 " 10½ "	28/	"
" 0	6½ " 11 "	29/	"
" 1	7 " 11½ "	30/	"
" 2	7½ " 12 "	32/	"
" 3	8 " 12½ "	34/	"
" 4	8½ " 13 "	36/	"

604 CAST STEEL FACE.
8/ more than Pattern 603.

606 SOLID CAST STEEL.
16/ more than Pattern 603.

607 HAMMERED STRONG
THICK TOP GARDEN SPADES
LONG STRAPS.

Ground Bottoms.			
No. 0	7 in. × 11 in.	35/	per doz.
" 1	7½ " 11½ "	36/	"
" 2	8 " 12 "	38/	"
" 3	8½ " 12½ "	40/	"
" 4	9 " 13 "	42/	"

608 CAST STEEL FACE.
8/ more than Pattern 607.

610 SOLID CAST STEEL.
18/ more than Pattern 607.

623 "CAPE" SPADE.			
Treaded.			
No. 000	5½ in. × 10 in.	29/	per doz.
" 00	6 " 10½ "	30/	"
" 0	6½ " 11 "	31/	"
" 1	7 " 11½ "	32/	"
" 2	7½ " 12 "	34/	"
" 3	8 " 12½ "	36/	"
" 4	8½ " 13 "	38/	"

627 STRONG "CAPE" SPADE
SIDE STRAP TREADED
LONG STRAPS.

Ground Bottoms.			
No. 0	7 in. × 11 in.	35/	per doz.
" 1	7½ " 11½ "	36/	"
" 2	8 " 12 "	38/	"
" 3	8½ " 12½ "	40/	"
" 4	9 " 13 "	42/	"

628 CAST STEEL FACE.
8/ more than Pattern 627.

630 SOLID CAST STEEL.
18/ more than Pattern 627.

641 HAMMERED SOLID CAST
STEEL, SOCKET SPADES.

Ground Bottoms.			
No. 00	7 in. × 10½ in.	40/	per doz.
" 0	7½ " 10¾ "	41/	"
" 1	8 " 11½ "	42/	"
" 2	8½ " 12½ "	44/	"
" 3	9 " 12¾ "	46/	"
" 4	9½ " 13½ "	48/	"

642 Best 8/ extra; Long Sockets, 6/.

643 HAMMERED SOLID CAST
STEEL, STRAP SOCKET SPADES.

Ground Bottoms.			
No. 00	7 in. × 10½ in.	44/	per doz.
" 0	7½ " 10¾ "	45/	"
" 1	8 " 11½ "	46/	"
" 2	8½ " 12½ "	48/	"
" 3	9 " 12¾ "	50/	"
" 4	9½ " 13½ "	52/	"

644 Do. do. EXTRA BEST
QUALITY.

8/ more than Pattern 643
Extra long Strap Sockets, 6/ more.

647 SOLID STEEL
CENTRE STRAP SPADES.

Ground Bottoms.			
No. 0	7 in. × 11 in.	51/	per doz.
" 1	7½ " 11½ "	52/	"
" 2	8 " 12 "	54/	"
" 3	8½ " 12½ "	56/	"
" 4	9 " 13 "	58/	"

648 Best, 8/ extra.

634 ORMSKIRK SPADES.

Ground Bottoms.			
No. 00	7 in. × 10½ in.	38/	per doz.
" 0	7½ " 10¾ "	39/	"
" 1	8 " 11½ "	40/	"
" 2	8½ " 11¾ "	42/	"
" 3	9 " 12½ "	44/	"
" 4	9½ " 12¾ "	46/	"

650 SCOTCH SPADES.

Hammered, Ribbed, and Treaded; D Handles. Ground Bottoms.			
No. 1	7½ in. × 6½ in. × 11½ in.	38/	doz.
" 2	7½ " 7 " 12½ "	40/	"
" 3	8½ " 7½ " 12¾ "	42/	"
" 4	8½ " 8 " 13½ "	44/	"
" 5	9½ " 8½ " 13¾ "	46/	"

651 Do. do. CAST STEEL FACE.
8/ more than Pattern 650.

652 SOLID STEEL.
16/ more than Pattern 650.

655 HAMMERED IRISH SPADES.
Long T Handles. Treaded.

No. 1	7 in. × 5½ in. × 14 in.	40/	doz.
" 2	7½ " 6 " 14½ "	42/	"
" 3	8 " 6½ " 15 "	44/	"

89 LIGHT
TAPER OR MARL SHOVELS.

No. 0	8½ in. × 7½ in. × 11½ in.	29/	doz.
" 1	9 " 8 " 12 "	30/	"
" 2	9½ " 8½ " 12½ "	32/	"
" 3	10 " 9 " 13 "	34/	"
" 4	10½ " 9½ " 13½ "	36/	"

90 CAST STEEL FACE.
8/ more than Pattern 89.

91 SOLID CAST STEEL.
16/ more than Pattern 89.

92 STRONG
TAPER OR MARL SHOVELS.

Ground Bottoms.			
No. 0	8½ in. × 7½ in. × 11½ in.	35/	doz.
" 1	9 " 8 " 12 "	36/	"
" 2	9½ " 8½ " 12½ "	38/	"
" 3	10 " 9 " 13 "	40/	"
" 4	10½ " 9½ " 13½ "	42/	"

93 Do. do. CAST STEEL FACE.
Bright Bottoms, 8/ extra.

94 SOLID STEEL.
16/ more than Pattern 92.

660 Hammered NORFOLK SPADES
D Handles. Ground Bottoms.

No. 1	8½ in. × 6½ in. × 11½ in.	40/	doz.
" 2	9 " 7 " 12 "	42/	"
" 3	9½ " 7½ " 12½ "	44/	"
" 4	9½ " 7½ " 13 "	46/	"

661 Do. do. CAST STEEL FACE.
8/ extra.

663 NORFOLK AND SUFFOLK
SPADE SHOVELS.

D Handles. Ground Bottoms.			
No. 1	7½ in. × 6 in. × 11 in.	38/	doz.
" 2	8½ " 6½ " 11½ "	40/	"
" 3	8½ " 7 " 12 "	42/	"
" 4	9½ " 7½ " 12½ "	44/	"
" 5	9½ " 8 " 13 "	46/	"

664 CAST STEEL FACE.
8/ more than Pattern 663.

666 ESSEX SPADES.

Ground Bottoms.			
No. 1	6½ in. × 5 in. × 10½ in.	34/	doz.
" 2	7 " 5½ " 11 "	36/	"
" 3	7½ " 6 " 11½ "	38/	"
" 4	8 " 6½ " 12 "	40/	"

667 Cast Steel Face, 8/ extra.

670 LADIES' SPADES.

Ground Bottoms.			
No. 1	5 in. × 8½ in.	24/	per doz.
" 2	5½ " 9 "	26/	"
" 3	6 " 9½ "	28/	"
" 4	6½ " 10 "	30/	"

680 BOYS' SPADES, Hammered.

No. 0 4 in. × 7 in. 18/ per doz.			
" 1	4½ " 7½ "	20/	"
" 2	4½ " 7½ "	22/	"
" 3	5 " 8 "	24/	"
" 4	5½ " 8½ "	26/	"

681 Common, 4 × 7½ .. 14/ "

682 Rivetted STEEL TOY SPADES
5 × 7½ .. 12/

701 HAMMERED CLAY SPADES.

Broad Bottoms.			
No. 000	5 in. × 5½ in. × 11 in.	27/	doz.
" 00	5½ " 5¾ " 11½ "	28/	"
" 0	5½ " 6 " 12 "	29/	"
" 1	6 " 6½ " 12½ "	30/	"
" 2	6½ " 7 " 13 "	32/	"

702 Do. do. CAST STEEL FACE.
8/ more than Pattern 701.

703 Do. do. SOLID CAST STEEL.
16/ more than Pattern 701.

705 HAMMERED
TAPER CLAY SPADES.

No. 000	5 in. × 5 in. × 11 in.	27/	doz.
" 00	5½ " 5½ " 11½ "	28/	"
" 0	6 " 5½ " 12 "	29/	"
" 1	6½ " 6 " 12½ "	30/	"
" 2	7 " 6½ " 13 "	32/	"

706 Do. do. CAST STEEL FACE.
8/ more than Pattern 705.

707 Do. do. SOLID CAST STEEL.
16/ more than Pattern 705.

721 HAMMERED STRONG CLAY
SPADES OR GRAFTING TOOLS.

Broad Bottoms. Ground Points.			
No. 0	5½ in. × 6 in. × 12 in.	35/	doz.
" 1	6 " 6½ " 12½ "	36/	"
" 2	6½ " 7 " 13 "	38/	"
" 3	7 " 7½ " 13½ "	40/	"
" 4	7½ " 8 " 14 "	42/	"

722 Do. do. CAST STEEL FACE.
8/ more than Pattern 721.

723 Do. do. SOLID CAST STEEL.
16/ more than Pattern 721.

725 HAMMERED STRONG
TAPER CLAY SPADES OR
GRAFTING TOOLS.

Ground Points.			
No. 0	6 in. × 5½ in. × 12 in.	35/	doz.
" 1	6½ " 6 " 12½ "	36/	"
" 2	7 " 6½ " 13 "	38/	"
" 3	7½ " 7 " 13½ "	40/	"
" 4	8 " 7½ " 14 "	42/	"

726 Do. do. CAST STEEL FACE.
8/ more than Pattern 725.

727 Do. do. SOLID CAST STEEL.
16/ more than Pattern 725.

741 HAMMERED SOLID CAST
STEEL, SOCKET CLAY SPADES
OR GRAFTING TOOLS.

Broad Bottoms. Ground Points.			
No. 0	5½ in. × 6 in. × 12 in.	43/	doz.
" 1	6 " 6½ " 12½ "	44/	"
" 2	6½ " 7 " 13 "	46/	"
" 3	7 " 7½ " 13½ "	48/	"
" 4	7½ " 8 " 14 "	50/	"

742 Extra Best, 8/ more than 741.

743 HAMMERED SOLID CAST
STEEL, SOCKET TAPER CLAY
SPADES OR GRAFTING TOOLS.

Ground Points.			
No. 0	6 in. × 5½ in. × 12 in.	43/	doz.
" 1	6½ " 6 " 12½ "	44/	"
" 2	7 " 6½ " 13 "	46/	"
" 3	7½ " 7 " 13½ "	48/	"
" 4	8 " 7½ " 14 "	50/	"

744 Do. do. EXTRA BEST
QUALITY.
8/ more than Pattern 743.

752 HAMMERED STRONG
THICK TOP DRAINING TOOLS
C.S. FACE.

8/ more than Pattern 751.

753 Do. do. SOLID CAST STEEL.
16/ more than Pattern 751.

761 HAMMERED SOLID CAST
STEEL, LONG SOCKET DRAINING
TOOLS.

Ground Points.			
No. 1	4½ in. × 3½ in. × 15 in.	50/	doz.
" 2	5 " 4 " 16 "	53/	"
" 3	5½ " 4 " 17 "	56/	"
" 4	6 " 4 " 18 "	59/	"
" 5	6½ " 4 " 19 "	62/	"
" 6	7 " 4½ " 20 "	66/	"

762 Do. do. Extra Best Quality.
8/ more than Pattern 761.

Draining Tools with extra Long Sockets.
6/ per doz. more.

FERRY TOOLS.

5 5½ 6 6½ 7 in.			
780 STRAIGHT	40/	41/	42/ doz.
782 BENT			58/ "

790 HODDING SPADES.
56/ per doz.

646 PEAK SOCKET SPADES.

0	1	2	3	4
53/	54/	56/	58/	60/ doz.

631 LANCASHIRE SPADES.

00	0	1	2	3	4
38/	39/	40/	42/	44/	46/ per doz.

632 STEEL FACE.
8/ extra.

633 SOLID STEEL.
8/ extra.

637 HAMBLET SPADES.

00	0	1	2	3	4
46/	47/	48/	50/	52/	54/ per doz.

765 UNDERFOOT SPADES,
Round Mouth, to order.

766 DRAINING SCOOPS TO PUSH,
With T Handles, to Order.

767 DRAINING SCOOPS TO FULL.

2½	3	3½	4 in. wide.
42/	44/	46/	48/ per doz.

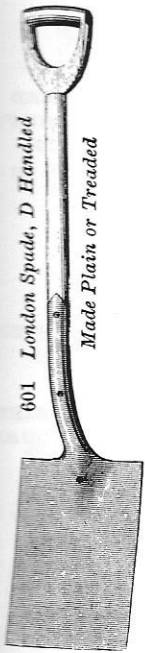
768 Do. do. WITH 6ft. HANDLES.
14/ more than Pattern 767.

771 PIPE LAYERS.
30/ per doz.

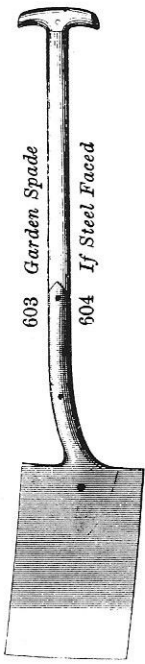
772 Do. do. WITH 6ft. HANDLES.
14/ more than Pattern 771.

EXTRAS.

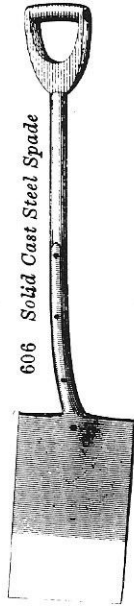
Treaded	2/	per doz.
Side Straps	2/	"
Clasped T Handles	2/	"
D Handles, where not specified	2/	"
D Handles, Rivetting	2/	"



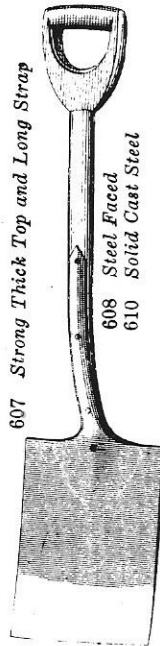
601 London Spade, D Handled
Made Plain or Treaded



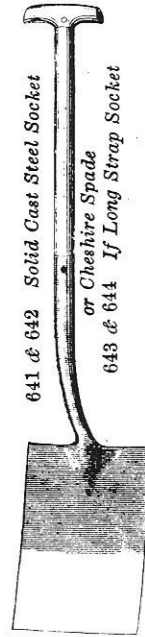
603 Garden Spade
604 If Steel Faced



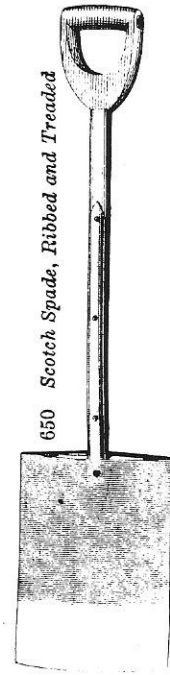
606 Solid Cast Steel Spade



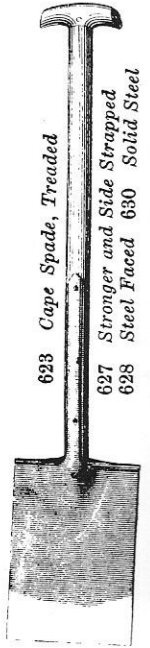
607 Strong Thick Top and Long Strap
608 Steel Faced
610 Solid Cast Steel



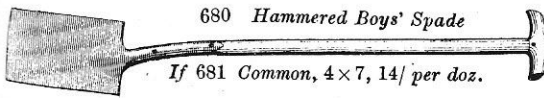
641 & 642 Solid Cast Steel Socket
or Cheshire Spade
643 & 644 If Long Strap Socket



650 Scotch Spade, Ribbed and Treaded



623 Cape Spade, Treaded
627 Stronger and Side Strapped
628 Steel Faced 630 Solid Steel



680 Hammered Boys' Spade

If 681 Common, 4x7, 14/ per doz.

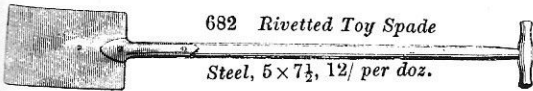


670 Ladies' Spade



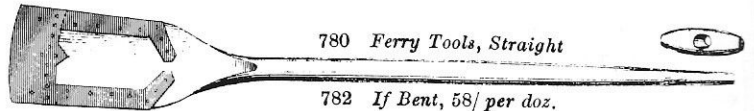
762 Socket Draining Tool

If Strapped, see Nos. 751, 752, 753



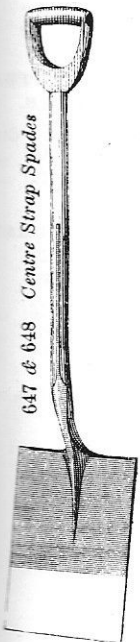
682 Rivetted Toy Spade

Steel, 5x7½, 12/ per doz.

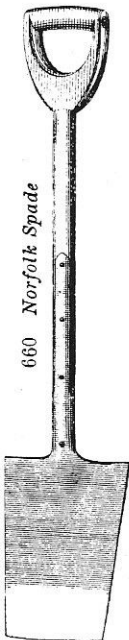


780 Ferry Tools, Straight

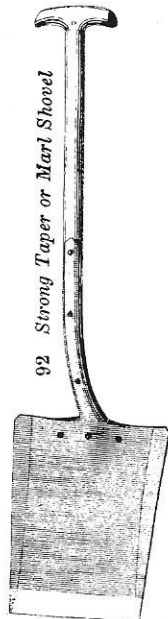
782 If Bent, 58/ per doz.



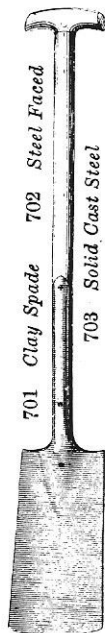
647 & 648 Centre Strap Spades



660 Norfolk Spade



92 Strong Taper or Marl Shovel



701 Clay Spade 702 Steel Faced
703 Solid Cast Steel



721 Strong Clay or Grafting
722 Steel Faced 723 Solid Steel



705 Tapered Clay Spade
706 Steel Faced 707 Solid Steel



725 Strong Tapered Clay or Grafting
726 Steel Faced 727 Solid Steel



742 Socket Steel Clay or Grafting
744 If Tapered

40 LONDON SHOVELS.

D Handles.

No.	000	8 in.	10½ in.	27/	per doz.
"	00	8½	" 11	28/	"
"	0 9	" 11½	" 29/	"	"
"	1 9½	" 12	" 30/	"	"
"	2 10	" 12½	" 32/	"	"
"	3 10½	" 13	" 34/	"	"
"	4 11	" 13½	" 36/	"	"
"	5 11½	" 14	" 38/	"	"
"	6 12	" 14½	" 40/	"	"
"	7 12½	" 15	" 42/	"	"

60 BALLAST SHOVELS.

No.	000	8 in.	10½ in.	27/	per doz.
"	00	8½	" 11	28/	"
"	0 9	" 11½	" 29/	"	"
"	1 9½	" 12	" 30/	"	"
"	2 10	" 12½	" 32/	"	"
"	3 10½	" 13	" 34/	"	"
"	4 11	" 13½	" 36/	"	"
"	5 11½	" 14	" 38/	"	"
"	6 12	" 14½	" 41/	"	"
"	7 12½	" 15	" 44/	"	"
"	8 13	" 15½	" 47/	"	"
"	9 13½	" 16	" 50/	"	"
"	10 14	" 16½	" 53/	"	"

61 CAST STEEL FACE, 8/ extra.

Prices as No. 60.

63 ½ Bright, 10/ extra to 60.**64 BALLAST SHOVELS. STRONG.**

No.	000	8 in.	10½ in.	31/	per doz.
"	00	8½	" 11	32/	"
"	0 9	" 11½	" 33/	"	"
"	1 9½	" 12	" 34/	"	"
"	2 10	" 12½	" 36/	"	"
"	3 10½	" 13	" 38/	"	"
"	4 11	" 13½	" 40/	"	"
"	5 11½	" 14	" 42/	"	"
"	6 12	" 14½	" 45/	"	"
"	7 12½	" 15	" 48/	"	"
"	8 13	" 15½	" 51/	"	"
"	9 13½	" 16	" 54/	"	"
"	10 14	" 16½	" 57/	"	"

65 Do. do. CAST STEEL FACE.

Bright Bottoms 8/ extra.

66 SOLID CAST STEEL, 16/ extra.**67 HAMMERED SOLID CAST STEEL OPEN SOCKET SHOVELS.**

No.	000	8 in.	10½ in.	27/	per doz.
"	00	8½	" 11	28/	"
"	0 9	" 11½	" 29/	"	"
"	1 9½	" 12	" 30/	"	"
"	2 10	" 12½	" 32/	"	"
"	3 10½	" 13	" 34/	"	"
"	4 11	" 13½	" 36/	"	"
"	5 11½	" 14	" 38/	"	"
"	6 12	" 14½	" 41/	"	"
"	7 12½	" 15	" 44/	"	"
"	8 13	" 15½	" 47/	"	"
"	9 13½	" 16	" 50/	"	"
"	10 14	" 16½	" 53/	"	"

68 Do. do. Extra Best Quality.

8/ more. Ground Bottoms.

69 HAMMERED CAST STEEL SOLID SOCKET SHOVELS.

No.	1	9½ in.	12 in.	40/	per doz.
"	2	10	" 12½	42/	"
"	3	10½	" 13	44/	"
"	4	11	" 13½	46/	"
"	5	11½	" 14	48/	"
"	6	12	" 14½	51/	"
"	7	12½	" 15	54/	"
"	8	13	" 15½	57/	"
"	9	13½	" 16	60/	"
"	10	14	" 16½	63/	"

70 Do. do. Extra Best Quality.

8/ more than 69.

71 Impd. C.S. FIRING SHOVELS, SOCKETS RIVETTED ON.

No.	5	11½ in.	14 in.	52/	per doz.
"	6	12	" 14½	55/	"
"	7	12½	" 15	58/	"
"	8	13	" 15½	61/	"
"	9	13½	" 16	64/	"
"	10	14	" 16½	67/	"

75 HAMMERED SOLID CAST STEEL CENTRE STRAP SHOVELS.

No.	1	9½ in.	12 in.	42/	per doz.
"	2	10	" 12½	44/	"
"	3	10½	" 13	46/	"
"	4	11	" 13½	48/	"
"	5	11½	" 14	50/	"
"	6	12	" 14½	53/	"
"	7	12½	" 15	56/	"
"	8	13	" 15½	59/	"
"	9	13½	" 16	62/	"
"	10	14	" 16½	65/	"

76 EXTRA BEST QUALITY, do.

Ground Bottoms. 8/ more than Pattern 75

77 FLAT MOULDERS' SHOVELS.

Ground Bottoms.

No.	000	8 in.	10½ in.	31/	per doz.
"	00	8½	" 11	32/	"
"	0 9	" 11½	" 33/	"	"
"	1 9½	" 12	" 34/	"	"
"	2 10	" 12½	" 36/	"	"
"	3 10½	" 13	" 38/	"	"

78 Do. do. CAST STEEL FACE.

Bright Bottoms. 8/ more than Pattern 77.

79 Do. do. C.S. Rivetted Solid Front Strap, Extra Best Quality.

Bright Bottoms, 8/ more than Pattern 77.

85 SOLID STEEL SQUARE CREASED OR FLAT OPEN SOCKET COAL SHOVELS.

No.	0	9 in.	10 in.	29/	per doz.
"	1	10	" 11	30/	"
"	2	11	" 12	33/	"
"	3	12	" 12½	36/	"
"	4	13	" 13	40/	"
"	5	14	" 13½	44/	"
"	6	15	" 14	48/	"
"	7	16	" 14½	52/	"
"	8	17	" 15	56/	"
"	9	17	" 16	60/	"

86 Do. do. EXTRA BEST QUALITY.

Ground Bottoms. 12/ more.

87 SQUARE FLAT RIBBED QUARRY SHOVELS. STRONG.

No.	1	10 in.	11 in.	38/	per doz.
"	2	11	" 12	41/	"
"	3	12	" 12½	44/	"
"	4	13	" 13	48/	"
"	5	14	" 13½	52/	"

95 NORFOLK AND SUFFOLK SHOVELS.

Ground Bottoms.

No.	1	8½ in.	9 in.	12 in.	36/	doz.
"	2	9½	" 9½	" 12½	38/	"
"	3	9½	" 10	" 13	40/	"
"	4	10½	" 10½	" 13½	42/	"
"	5	10½	" 11	" 14	44/	"

96 Do. do. CAST STEEL FACE.

Bright Bottoms, 8/ extra.

97 SOLID STEEL.

16/ extra.

151 GRAVEL OR RAILWAY SHOVELS, Round Mouth.

No.	2	11 in.	12½ in.	34/	per doz.
"	3	11½	" 13	36/	"
"	4	12	" 13½	38/	"
"	5	12½	" 14	40/	"

152 Do. do. CAST STEEL FACE.

Bright Points. 8/ more than Pattern 151.

153 SOLID STEEL.

16/ more than Pattern 151.

154 RIVETTED ROUND MOUTH GRAVEL OR RAILWAY SHOVELS

Black Steel.

No.	2	11 in.	12½ in.	34/	per doz.
"	3	11½	" 13	36/	"
"	4	12	" 13½	38/	"
"	5	12½	" 14	40/	"

155 EXTRA BEST QUALITY HAMMERED

SOLID FRONT STRAP.

Quarter Bright. 8/ more than Pattern 154.

156 SOLID STEEL OPEN SOCKET ROUND MOUTH GRAVEL OR RAILWAY SHOVELS.

No.	2	11 in.	12½ in.	34/	per doz.
"	3	11½	" 13	36/	"
"	4	12	" 13½	38/	"
"	5	12½	" 14	40/	"

157 Do. do. Extra Best Quality.

Quarter Bright. 8/ more.

171 HAMMERED ROUND MOUTH STEEL POINTED COAL OR LEAD MINERS' SHOVELS.

No.	0	10½ in.	11½ in.	31/	per doz.
"	1	11	" 12	32/	"
"	2	11½	" 12½	34/	"
"	3	12	" 13	36/	"
"	4	12½	" 13½	38/	"
"	5	13½	" 14	40/	"
"	6	14	" 14½	43/	"
"	7	14½	" 15	46/	"
"	8	15	" 15½	49/	"

172 Do. do. CAST STEEL FACE.

Bright Points. 8/ more.

173 SOLID STEEL, 16/ extra.**174 RIVETTED. Prices as 171.****176 SOLID STEEL OPEN SOCKETS**

Prices as 171.

178 STEEL, SOLID SOCKET ROUND MOUTH SHOVELS.

No.	1	11 in.	12 in.	40/	per doz.
"	2	11½	" 12½	42/	"
"	3	12	" 13	44/	"
"	4	12½	" 13½	46/	"
"	5	13½	" 14	48/	"
"	6	14	" 14½	51/	"
"	7	14½	" 15	54/	"
"	8	15	" 15½	58/	"

180 SOLID CAST STEEL CENTRE STRAP SHOVELS. ROUND NOSE.

No.	1	11 in.	12 in.	42/	per doz.
"	2	11½	" 12½	44/	"
"	3	12	" 13	46/	"
"	4	12½	" 13½	48/	"
"	5	13½	" 14	50/	"
"	6	14	" 14½	53/	"
"	7	14½	" 15	56/	"
"	8	15	" 15½	59/	"

181 Do. do. Extra Quality.

Ground Bottoms 8/ more than 180.

202 BEST HAMMERED LANCASHIRE ROUND MOUTH SHOVELS, TREADED.

No.	1	10½ in.	12 in.	36/	per doz.
"	2	11	" 12½	38/	"
"	3	11½	" 13	40/	"
"	4	12	" 13½	42/	"
"	5	12½	" 14	45/	"
"	6	13	" 14½	48/	"

203 Do. do. SOLID CAST STEEL

10/ more than Pattern 202.

204 BEST HAMMERED RIBBED STRONG ROUND MOUTH QUARRY SHOVELS.

Clasped T Handles.

No.	3	11½ in.	13 in.	48/	per doz.
"	4	12	" 13½	50/	"
"	5	12½	" 14	53/	"
"	6	13	" 14½	56/	"

210 HAMMERED SOLID CAST STEEL BRIDGEWATER COAL SPADES.

14 in. wide	48/	per dozen
15 "	51/	"
16 "	54/	"
17 "	57/	"
18 "	60/	"
19 "	64/	"

211 EXTRA BEST QUALITY.

10/ more.

230 HAMMERED SOLID SOCKET LOCOMOTIVE SHOVELS.

No.	0	9 in.	8 in.	17 in.	54/	doz.
"	1	10	" 9	" 18	57/	"
"	2	11	" 10	" 19	60/	"
"	3	12	" 11	" 20	66/	"

232 HAMMERED SOLID STEEL OPEN SOCKET.

6/ less.

236 OPEN SOCKET STEEL CELLAR SHOVELS.

No.	1	9 in.	12 in.	30/	per dozen
"	2	10	" 13	32/	"
"	3	11	" 14	34/	"

238 HAMMERED CENTRE STRAP MUD OR COKE SCOOPS.

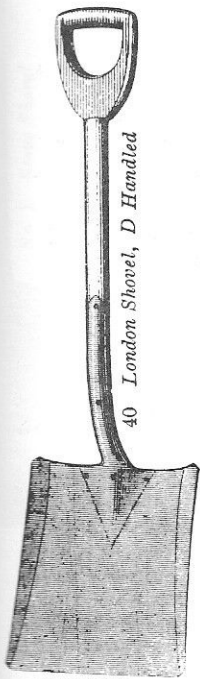
No.	1	12 in.	11 in.	17 in.	64/	doz.
"	2	13	" 12	" 18	68/	"
"	3	14	" 13	" 19	72/	"

240 HAMMERED SOLID CAST STEEL OPEN SOCKET MUD OR COKE SCOOPS.

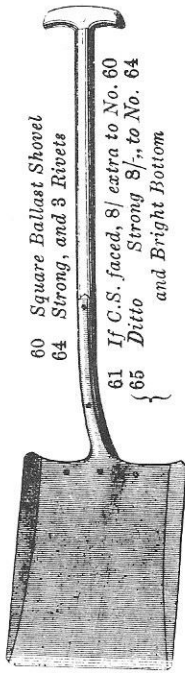
No.	1	12 in.	11 in.	17 in.	56/	"
"	2	13	" 12	" 18	60/	"
"	3	14	" 13	" 19	64/	"

EXTRAS.

Treaded	2/	per doz.
Side Straps	2/	"
Clasped T Handles	2/	"
D Handles, where not specified	2/	"
D Handles Riveting	2/	"

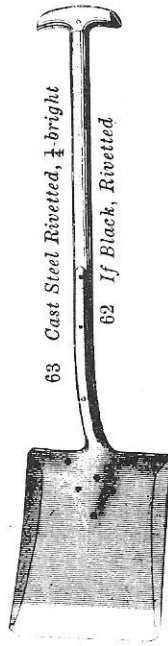


40 London Shovel, D Handled

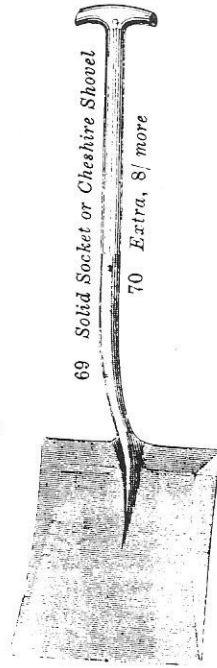


60 Square Ballast Shovel
64 Strong, and 3 Rivets

61 If C.S. faced, 8/ extra to No. 60
(65 Ditto Strong 8/- to No. 64
and Bright Bottom

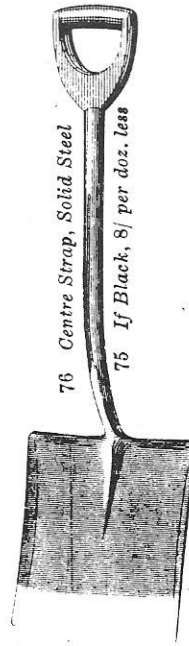


63 Cast Steel Rivetted, 1/2 bright
62 If Black, Rivetted



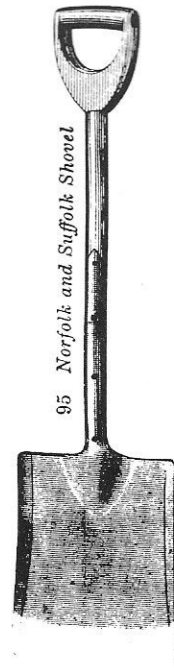
69 Solid Socket or Cheshire Shovel

70 Extra, 8/ more

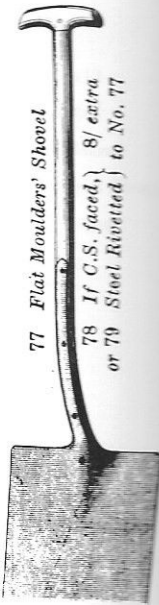


76 Centre Strap, Solid Steel

75 If Black, 8/ per doz. less

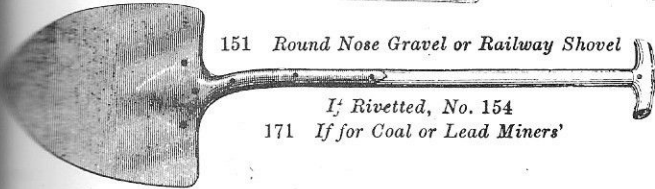


95 Norfolk and Suffolk Shovel



77 Flat Moulders' Shovel

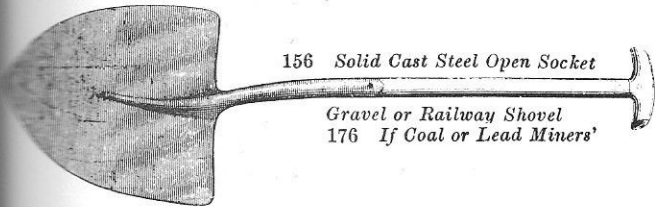
78 If C.S. faced, 8/ extra
or 79 Steel Rivetted } to No. 77



151 Round Nose Gravel or Railway Shovel

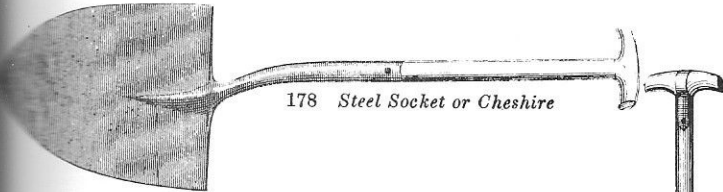
1 1/2 Rivetted, No. 154

171 If for Coal or Lead Miners'

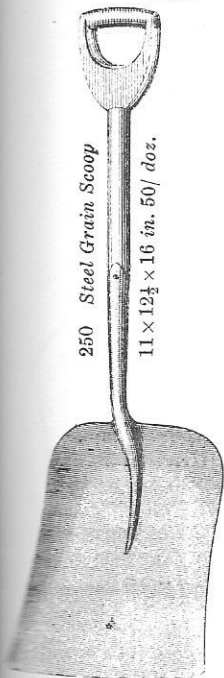


156 Solid Cast Steel Open Socket

Gravel or Railway Shovel
176 If Coal or Lead Miners'

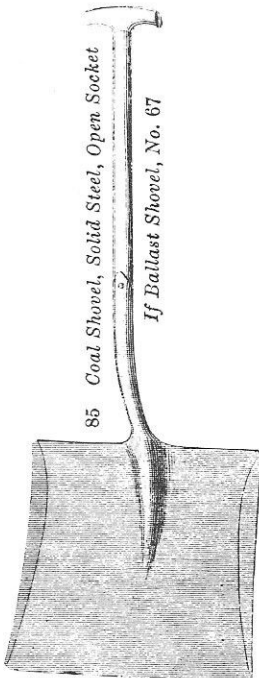


178 Steel Socket or Cheshire



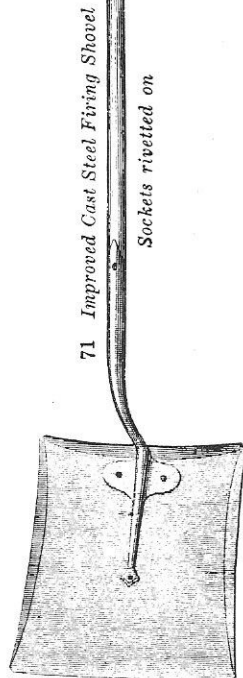
250 Steel Grain Scoop

11 x 12 1/2 x 16 in. 50/ doz.



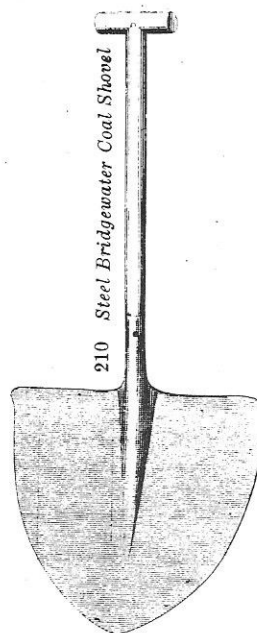
85 Coal Shovel, Solid Steel, Open Socket

If Ballast Shovel, No. 67

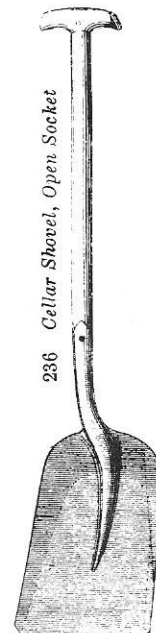


71 Improved Cast Steel Firing Shovel

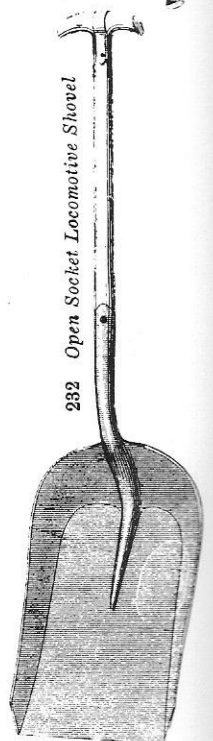
Sockets rivetted on



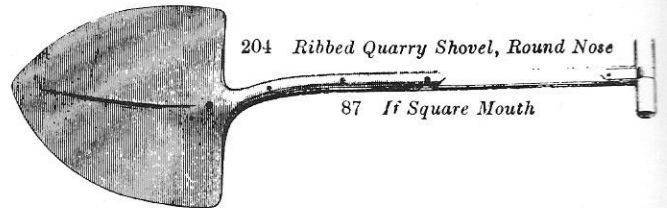
210 Steel Bridgewater Coal Shovel



236 Cellar Shovel, Open Socket

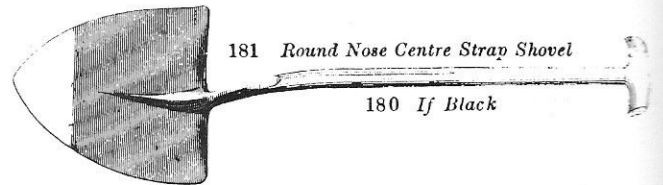


232 Open Socket Locomotive Shovel



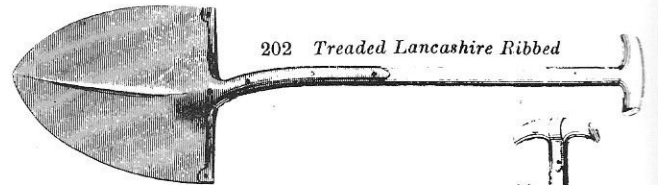
204 Ribbed Quarry Shovel, Round Nose

87 If Square Mouth



181 Round Nose Centre Strap Shovel

180 If Black



202 Treaded Lancashire Ribbed



CORPORATE

MARK.

NOTE.—Best Hammered Spades and Shovels will stand more than double the strain of rolled ones; Rolled—being of necessity the weakest where they ought to be the strongest—although rather lower in price, are not the cheapest. Rolled ones may be known by being flatter and very thin at the root of the strap.—J. H. & SONS.

1 STOVE SHOVELS.				
Iron Handles.				
	4½	6	7	8 in. wide
No.	0	1	2	3
	3/6	4/6	5/6	7/ per doz.

2 STRONG STOVE SHOVELS.				
Iron Handles.				
	6	7	8	9 10 in. wide
No.	1	2	3	4 5
	14/	15/6	17/	19/ 22/ per doz.

5 LIGHT TULIP FIRE SHOVELS.			
Wood Handles.			
	9	9½	10 in. wide
No.	1	2	3
	5/6	6/6	7/6 per doz.

6 MEDIUM TULIP FIRE SHOVELS.			
Wood Handles.			
	9	9½	10 in. wide
No.	1	2	3
	7/	8/	9/ per doz.

7 STRONG TULIP FIRE SHOVELS.			
Wood Handles.			
	9	9½	10 11 in. wide
No.	1	2	3 4
	10/	11/	12/ 14/ per doz.

11 CAST STEEL TULIP FIRE SHOVELS.				
Wood Handles.				
	5	9	9½	10 11 in. wide
No.	00	1	2	3 4
	6/6	11/	12/6	14/ 17/ per doz.

13 CAST STEEL SQUARE CORFERRED STRAP RIVETTED FIRE SHOVELS.				
	8½	9	10	11 in. wide
No.	00	0	1	2
	11/6	12/6	14/	16/ per doz.

LIGHT SQUARE TOP CAST STEEL FIRE SHOVELS.			
	8	9	10 in. wide
No.	2	3	4
15 Wood Handles..	7/	8/	9/ per doz.
16 Iron	"	"	" " "

STRONG SQUARE TOP CAST STEEL FIRE SHOVELS.				
	8	9	10 11 12 in. wide	
No.	1	2	3 4 5	
17 Wood Handles	10/	11/6	13/ 14/6	17/ doz.
18 Iron	"	"	" " "	" "

LIGHT SQUARE TOP IRON FIRE SHOVELS.				
	6	8	9 10 in. wide	
No.	1	2	3 4	
21 Wood Handles	3/8	4/6	5/3	6/ doz.
22 Iron	"	"	" " "	" "

STRONG SQUARE TOP IRON FIRE SHOVELS.				
	8	9	10 11 12 in. wide	
No.	1	2	3 4 5	
23 Wood Handles	6/	6/9	7/6	8/6 10/ doz.
24 Iron	"	"	" " "	" "
Patterns 15, 16, 17, 18, 21, 22, 23 & 24, with Bright Iron Knob, or Bright Socket Handles, 6/ per doz. more.				

301 STEEL PIT PANS.
46/ per cwt.

303 STEEL PIT PANS.
Solid Rib, 46/ per cwt.

309 MINERS' RAKES.
Solid Shank, 56/ per cwt.

311 THROWING-OFF SHOVELS.
46/ per cwt.

305 SOLID CAST STEEL SQUARE MOUTH SOCKET MINERS' SHOVELS.
Under 4 lbs., 58/ per cwt.
4 lbs. and upwards, 50/ per cwt.

307 SOLID CAST STEEL ROUND MOUTH SOCKET MINERS' SHOVELS.
Under 4 lbs., 58/ per cwt.
4 lbs. and upwards, 50/ per cwt.

25L CORNISH SHOVELS.
60/ per cwt.

26L DEVON SHOVELS.
66/8 per cwt.

313 PUDDLERS' BITS.
46/ per cwt.

315 PEEL PLATES.
43/ per cwt.

317 STOKING SHOVEL PANS.
43/ per cwt.

319 STOKING SHOVEL PANS WITH SOCKET.
43/ per cwt.

320 Do. do. WITH T HANDLES.
10/ per doz. extra on pattern 319

331 CAST STEEL ROAD SCRAPERS.									
10	12	14	16	18	20	22	24 in.		
25/	28/	31/	34/	38/	42/	46/	50/ doz.		

332 Do. do. WITH 6 FEET HANDLES.
12/ extra to 331

KITCHEN POKERS, with Knob.			
Inch	21	26	26 strong
	7/6	9/6	11/ per doz.

KITCHEN COAL RAKES, with Knob.			
Inch	21	26	21 strong curled end.
	7/6	9/6	11/

347 TURFING IRONS.
No. 1 8 in. × 9½ inch.. 78/ per doz.
" 2 8½ " 10 " .. 90/ "
" 3 9 " 11½ " .. 108/ "

348 Do. do. WITH T HANDLES.
10/ more than pattern 347

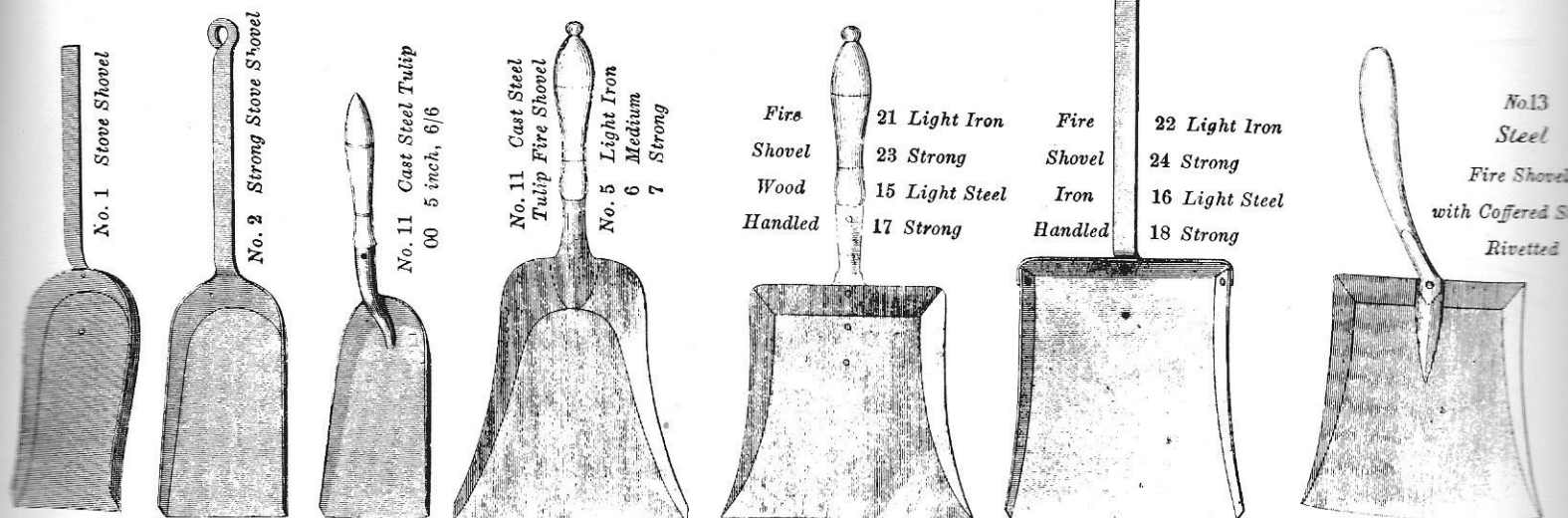
349 BANKING IRONS.
No. 1 8 in. × 6½ inch.. 60/ per doz.
" 2 9 " 7 " .. 72/ "
" 3 10 " 7½ " .. 84/ "

350 Do. do. WITH T HANDLES.
10/ more than pattern 349

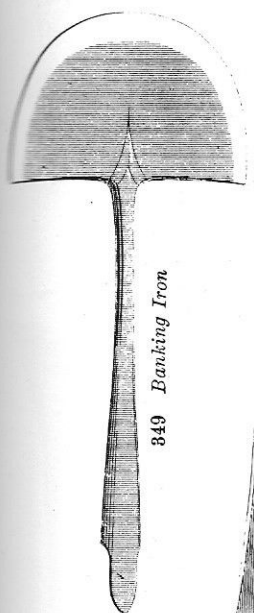
361 PARING SPADES.				
Ground.				
No. 1	10 in. wide	..	..	60/ per doz.
" 2	11	"	"	66/ "
" 3	12	"	"	74/ "
" 4	13	"	"	84/ "
" 5	14	"	"	96/ "

363	HAY SPADES.			
Bright and Blue.				
No. 1	7 in.	× 10½ inch	.. 40/	per doz.
" 2	7½	" 11	" .. 42/	"
" 3	8	" 11½	" .. 44/	"
" 4	8½	" 12	" .. 46/	"
" 5	9	" 12½	" .. 49/	"
" 6	9½	" 13	" .. 51/	"
" 7	10	" 13½	" .. 54/	"
" 8	10½	" 14	" .. 57/	"
" 9	11	" 14½	" .. 60/	"
" 10	11½	" 15	" .. 63/	"
" 11	12	" 15½	" .. 66/	"
" 12	12½	" 16	" .. 70/	"

365 LANCASHIRE HAY SPADES.				
All Bright. Best Cast Steel.				
No. 1	9 in. wide	.. ..	12/	each
„ 2	9½ „	.. ..	12/6	each
„ 3	10 „	.. ..	13/	each
„ 4	10½ „	.. ..	13/6	each



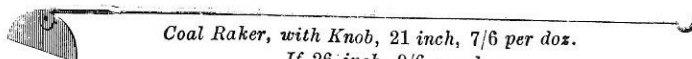
Crow Bar, with Steeled Claw, to net prices



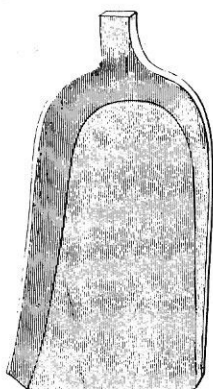
349 Banking Iron



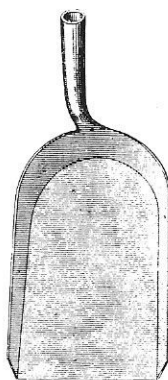
Kitchen Pokers, 21 inch, 7/6; 26 inch, 9/6 per doz.
Strong, 26 inch, 11/ per doz.



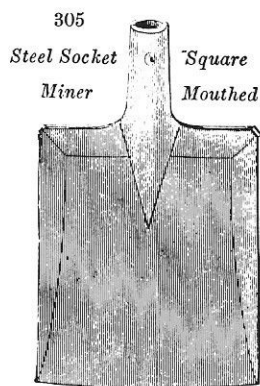
Coal Raker, with Knob, 21 inch, 7/6 per doz.
If 26 inch, 9/6 per doz.



317 Stoking Pans, 43/ per cut.



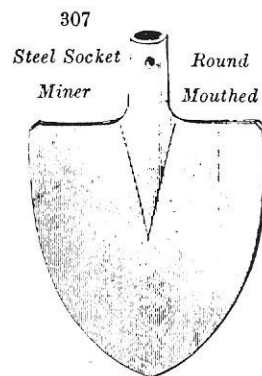
319 Socket Stoking Pans, 43/ per cut.



305

Steel Socket Miner

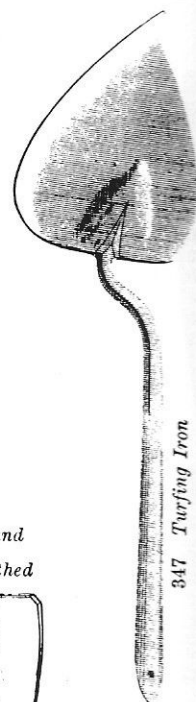
Square Mouthed



307

Steel Socket Miner

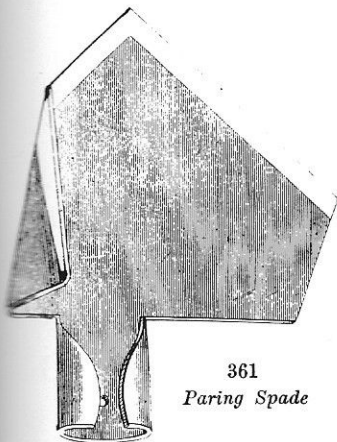
Round Mouthed



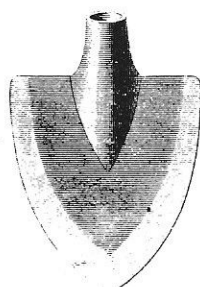
347 Turfing Iron



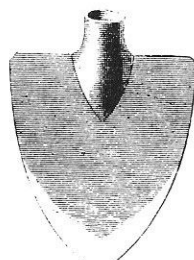
4864 Colliers' Hand Drill, 4/6 each
B4864 Best Granite Jumpers, from 7/6 each



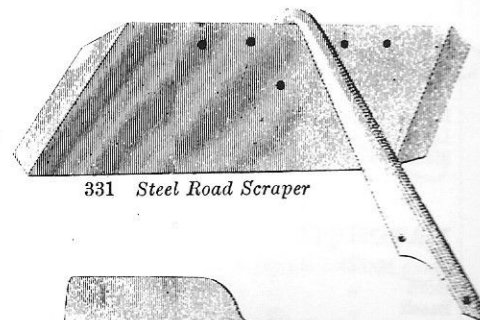
361 Paring Spade



26L Devon Shovel



25L Cornish Shovel



331 Steel Road Scraper



315 Peel Plates, 43/ per cut.



313 Puddlers' Bits, 46/ per cut.

PRICES ON APPLICATION.

